Based on Undergraduate Curriculum Framework 2022

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTERS I - VI

General Structure of B. A. (H) Sanskrit under UGCF

Semester	Core (DSC) 4 credits	Elective (DSE) 4 credits (From Pool)	Generic Elective (GE) 4 credits (From Common Pool)	Ability Enhancement Course (AEC) – 2 credits	Skill Enhancement Course (SEC) – 2 credits	Internship/ Apprenticeship/Project/ Community outreach 2 credits	Value addition course (VAC) 2 credits	Total Credits
I	DSC - 1 DSC - 2 DSC - 3	NIL	GE-1	AEC I - 1	SEC I	NIL	VAC- I	22 credits
II	DSC - 4 DSC - 5 DSC - 6	NIL	GE-II	AEC I -2	SEC II	NIL	VAC- II	22 credits
III	DSC - 7 DSC - 8 DSC - 9	DSE I or GE-III		AEC II -1	SEC III or IAPC I		VAC- III	22 credits
IV	DSC - 10 DSC - 11 DSC - 12	DSE II or GE-IV		AEC II - 2	SEC IV or IAPC II		VAC- IV	22 credits
V	DSC - 13 DSC - 14 DSC - 15	DSE III	GE V	NIL	SEC V/IAPC III		NIL	22 credits
VI	DSC - 16 DSC - 17 DSC – 18	DSE IV	GE VI	NIL	SEC VI/IAPC IV		NIL	22 credits

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

Discipline Specific Core Courses

Pool of Discipline Specific Elective Courses

S. No.	Semester		Page No.
		7. DSE-7: Introduction to Ancient Indian Scripts 8. DSE-8: Computer Applications for Sanskrit	
3.	V	9. DSE-09: Lexicographical Tradition in Sanskrit 10. DSE-10: Introduction to Sanskrit Poetics 11. DSE-11: Phonetics in Sanskrit Tradition 12. DSE-12: Ancient Indian Robotics	82-89
4.	VI	13. DSE-13: Basic Principles of Pāṇinian Grammar 14. DSE-14: Introduction to Ancient Indian Mathematics 15. DSE-15 Basic Skills for Research Paper and Dissertation Writing 16. DSE-16: Research Methodology for Sanskrit Studies	90-99

Common Pool of Generic Elective Courses

S. No.	Semester	Generic Elective Courses	Page No.
	I-VI	1. GE-1: Basic Sanskrit 2. GE-2: Indian Aesthetics 3. GE-3: Basic Principles of Āyurveda 4. GE-4: Sanskrit Narratology 5. GE-5: Tools and Techniques for Computing Sanskrit Language 6. GE-6: Machine Translation: Tools and Techniques 7. GE-7: Fundamentals of Indian Philosophy 8. GE-8: Indian Epigraphy & Palaeography 9. GE 9: Indian Legal System 10. GE 10: Fundamentals of Buddhist Philosophy 11. GE-11 Introduction to Jain Philosophy 12. GE-12 Ancient Indian Polity 13. GE-13: Introduction to Smṛti Literature 14. GE-14: Philosophy of Yoga 15. GE-15: Unveiling the Richness of the Indian Knowledge System 16. GE-16: Contributions of the Indian Knowledge system 17. GE-17: Ancient Indian Medicinal Science (Unveiling the Secrets of Ayurveda)	100-148

Ability Enhancement Courses (AEC)

S. No.	Semester	Ability Enhancement Courses	Page. No.
1	I/II	Sanskrit A (Advance): Neeti Literature in Sanskrit	149-158
		Sanskrit B (Intermediate): Upanishad and Geeta	
		Sanskrit C (Introductory): Introduction to Sanskrit Language	
2	III/IV	Sanskrit (Advance): Ancient Indian Economy	158-168
		Sanskrit B (Intermediate): Administrative Structure in Kauṭilya's Arthaśāstra	
		Sanskrit C (Introductory): Culture and Society संस्कृतिः समाजश्च	

Based on Undergraduate Curriculum Framework 2022

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -I

Discipline Specific Core Courses

DSC 1: Applied Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Applied Sanskrit	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives
- To generate interest in Sanskrit language among the students.
- To impart knowledge of the structure of Sanskrit language.
- To impart general skills of communication and writing in Sanskrit.

Learning outcomes
- The students will be able to understand the general structure of Sanskrit language.
- The students will be able to write and communicate in Sanskrit.
- Students will become more interested in Sanskrit language.
- Students will be better equipped to comprehend the Hons. syllabus.

SYLLABUS OF DSC-1

Unit 1: विभक्ति एवं लट् व लृट् लकार   1 Credit

i.   **विभक्तियाँ व उनके सामान्य अर्थ-** छात्र, कवि, शिशु, पितृ, कर्तृ, आत्मन्, भवत्, लता, मति, नदी, वाक्, मनस् (तृतीया द्विवचन भ्याम् से सप्तमी बहुवचन सु)

ii. **अकारान्त पुल्लिंग व नपुंसक लिंग-** प्रथमा व द्वितीया विभक्ति व भ्वादि, तुदादि, दिवादि एवं चुरादि लट् लकार प्रथमपुरुष में वाक्य रचना

iii. **अकारान्त पुल्लिंग व नपुंसकलिंग** शब्दों की सारी विभक्तियों में एकवचन के रूप व वाक्य रचना

iv. **प्रतिनिधि धातुओं के आधार पर गण एवं विकरण परिचय –** (अदादिगण) अस्, (जुहोत्यादिगण) दा, (स्वादि) शु, (क्र्यादि) ज्ञा, ग्रह्, (तनादि) कृ धातुओं के प्रथमपुरुष के प्रयोग एवं वाक्य रचना

v.   **सर्वनाम पुल्लिंग शब्द-** तत्, एतत्, किम्, यत् के शब्दों के साथ तुमुन्, क्त्वा व ल्यप् से वाक्य रचना

vi. **अस्मद् के प्रथमा एवं द्वितीया के प्रयोग-** विविध धातुओं के उत्तम पुरुष के प्रयोग

vii. **युष्मद् के प्रथमा एवं द्वितीया के प्रयोग-** विविध धातुओं के मध्यम पुरुष के प्रयोग

viii. **अस्मद् एवं युष्मद् के तृतीयादि विभक्तियों के प्रयोग एवं वाक्य रचना** (केवल सह के साथ तृतीया)

ix. **हलन्त पु०, स्त्री० व नपु० लिंगों में सब विभक्तियों के एक वचन शब्दों से वाक्य रचना**, लृट् लकार

x. इकारान्त व उकारान्त पुल्लिंग के प्रथमा व द्वितीया के पदों के साथ वाक्य रचना, अन्य विभक्तियों के एक वचन के प्रयोग एवं वाक्य रचना, पूर्वपठित तृतीयादि विभक्तियों के वाक्य

xi. **आकारान्त, उकारान्त व ईकारान्त स्त्रीलिंग के प्रयोग तथा वाक्य रचना**, लृट् लकार के प्रयोग

Unit 2 – कृदन्त व अन्य लकार   1 Credit

i. उपर्युक्त सभी पदों के साथ शतृ प्रत्यय के पुल्लिंग व स्त्रीलिंग में प्रयोगाधारित वाक्य रचना

ii. ऋकारान्त पुल्लिंग व स्त्रीलिंग शब्दों के साथ उपर्युक्त प्रत्ययों के प्रयोग एवं वाक्य रचना

iii. **क्त एवं क्तवतु प्रत्यय-** कर्मवाच्य एवं भाववाच्य में वाक्य रचना

iv. सब गणों की प्रतिनिधि धातुओं के प्रयोग लङ् लकार का पूर्वपठित सब शब्दों के साथ प्रयोग एवं वाक्य रचना

v. सब गणों की प्रतिनिधि धातुओं के लोट् लकार प्रयोग एवं वाक्य रचना

vi. सब गणों की प्रतिनिधि धातुओं के विधिलिङ् प्रयोग एवं वाक्य रचना

Unit 3: सन्धि एवं तिङन्त कर्मवाच्य   1 Credit

i. अच् सन्धि – दीर्घ, गुण, वृद्धि, यण्, अयादि, पूर्वरूप

ii. विसर्ग सन्धि

iii. व्यंजन सन्धि

iv. आत्मनेपद – पाँच लकार

v. यक् प्रत्यय – कर्मवाच्य एवं भाववाच्य में विविध लकारों में प्रयोग
तव्यत् अनीयर् क्त (कर्मणि प्रयोग)

vi. इकाई तीन पर आधारित परीक्षा

Unit 4: समास – विविध समासों की संरचना   1 Credits

i. विभक्ति तत्पुरुष

ii. द्वन्द्व

iii. कर्मधारय – विशेषण – विशेष्य, उपमामूलक, रूपकमूलक

iv. उपपद तत्पुरुष

v. बहुव्रीहि

vi. अव्ययीभाव

vii. इकाई चार पर आधारित परीक्षा

Essential/recommended readings

- द्विवेदी, कपिलदेव: प्रारम्भिक रचनानुवादकौमुदी, विश्वविद्यालय प्रकाशन, वाराणसी, उत्तर प्रदेश, संस्करण २०१९

- रूपचन्द्रिका, डॉ० ब्रह्मानन्द त्रिपाठी , चौखम्बा सुरभारती प्रकाशन, वाराणसी

Suggested readings

पाण्डेय, राधामोहन: संस्कृत सहचर, स्टूडेंट्स फ्रेंड्स पटना, बिहार

- नौटियाल, चक्रधर: बृहद् अनुवाद चन्द्रिका, मोतीलाल बनारसीदास, दिल्ली

Weekly Plan

Week 1	- Unit 1
Week 2	- Unit 1
Week 3	- Unit 1
Week 4	- Unit 1
Week 5	- Unit 2
Week 6	- Unit 2
Week 7	- Unit 2
Week 8	- Unit 3
Week 9	- Unit 3
Week 10	- Unit 3
Week 11	- Unit 3
Week 12	- Unit 4
Week 13	- Unit 4
Week 14	- Unit 4
Week 15	- Unit 4

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Structure of Question paper and division of marks
- Five Sentences for Correction (Syntax)   1 X 5= 5
- Vachana / Purusha parivartana   1 X 5= 5
- Lakara / Kāla parivartana   1 X 5= 5
- Fill in the blanks (with appropriate pratyayas)   1 X 5= 5
- Five Sandhis   1 X 5= 5
- Five Samasas Dissolve/ Make   2 X 5= 10
- One Unseen Passage   1 X 10= 10
- Sentence making with given words   2 X 5 = 10
- Translation of Sanskrit prose   2 X 5 = 10
- Paragraph writing   5 X 2= 10

DSC 2: Classical Sanskrit Poetry

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Classical Sanskrit Poetry	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives

- This course aims at getting the students acquainted with the general outlines of Classical Sanskrit Literature (Poetry) through classical texts.
- The course also seeks to help students to creatively and critically engage with texts.

Learning outcomes

- This course will help the students develop a fair idea of the works of great Sanskrit poets.
- They will be able to appreciate the styles and thoughts of individual poets focusing on the poetical, artistic, cultural and historical aspects of their works.
- This course will enhance competence in chaste classical Sanskrit and give them skills in translation and interpretation of poetic works.

SYLLABUS OF DSC-2

Unit: I   **1 Credit**

Nitishatakam Verses 1 to 15

Unit: II   **1 Credit**
    Kumarasambhavam Canto V Verses 1 to 29 (Parvati's Penance)

Unit: III   **1 Credit**
    Kiratarjuniyam, Canto I Verses 1 to 25

Unit IV   **1 Credit**
    Origin and Development of Mahākāvyas (Sanskrit Epics), General Introduction to Sanskrit Mahākāvyas (Sanskrit Epics) with special focus on Aśvaghośa, Kālidāsa, Bhāravi, Māgha, Śrīharṣa. Origin and Development of Gītikāvyas (lyric poetry),

General Introduction to Gītikāvyas (lyric poetry) with special focus on Kālidāsa, Jayadeva, Amaruka, Bhartṛhari and Bilhaṇa.

Essential/recommended readings

त्रिपाठी, कृष्णमणि, रघुवंशम् (मल्लिनाथकृत सञ्जीवनीटीका), चौखम्बा सुरभारती प्रकाशन, वाराणसी

1. जनार्दन शास्त्री, भारविकृत किरातार्जनीयम्, मोतीलाल बनारसीदास, दिल्ली

2. नेमिचन्द्र शास्त्री, कुमारसम्भवम्, मोतीलाल बनारसीदास, दिल्ली

3. त्रिपाठी, बाबूराम (सम्पा.), भर्तृहरि कृत नीतिशतकम् महालक्ष्मी प्रकाशन, आगरा, १९८६

4. पाण्डेय, ओमप्रकाश (व्या.), मनोरमा हिन्दी-व्याख्या सहित, भर्तृहरि कृत नीतिशतकम्, चौखम्बा अमरभारती प्रकाशन, वाराणसी, १९८२

5. विष्णुदत्त शर्मा शास्त्री (व्या.), भर्तृहरि कृत नीतिशतकम्, विमलचन्द्रिकासंस्कृतटीका व हिन्दी-व्याख्यासहित, ज्ञानप्रकाशन, मेरठ, संवत् २०३४.

6. शर्मा, समीर, मल्लिनाथकृत घंटापथ टीका, भारवि कृत किरातार्जनीयम्, चौखम्बा विद्याभवन, वाराणसी

7. C. R. Devadhar (Ed.), Raghuvaṁśam of Kālidāsa, MLBD. Delhi.
8. Gopal Raghunatha Nandargikar (Ed.), Raghuvaṁśam of Kālidāsa, MLBD, Delhi.
9. M.R. Kale (Ed.), Kirātārjunīyam of Bhāravi, MLBD, Delhi.
10. M.R. Kale (Ed.), Kumārasambhavam, MLBD, Delhi.
11. M.R. Kale (Ed.), Nītiśatakam of Bhartṛhari, MLBD., Delhi.
12. M.R. Kale (Ed.), Raghuvaṁśam of Kālidāsa, MLBD, Delhi.

Suggested readings

1. Mirashi, V.V., Kālidāsa, Popular Publication, Mumbai.
2. Keith, A.B., History of Sanskrit Literature, MLBD, Delhi.
3. Krishnamachariar, History of Classical Sanskrit Literature, MLBD, Delhi.
4. Gaurinath Shastri, A Concise History of Sanskrit Literature, MLBD, Delhi.
5. Winternitz, Maurice: Indian Literature (Vol. I-III), also Hindi Translation, MLBD, Delhi.

Weekly Plan

Week 1	- Unit 1
Week 2	- Unit 1
Week 3	- Unit 1
Week 4	- Unit 2
Week 5	- Unit 2
Week 6	- Unit 2
Week 7	- Unit 2
Week 8	- Unit 3

Week 9   - Unit 3
Week 10   - Unit 3
Week 11   - Unit 3
Week 12   - Unit 4
Week 13   - Unit 4
Week 14   - Unit 4
Week 15   - Unit 4

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

I	**External Examination**		**Marks 75**
i.	Translation of 3 (1 from units I-III)	3 x 4 = 12	
ii.	Explanation of 3 (1 from units I-III)	3 x 6 = 18	
iii.	Two Long Questions From units I-III	2 x 7.5 = 15	
iv.	Five Grammatical Notes From units I-III	1 x 5 = 05	
v.	Two Long Questions from unit IV	2 x 7.5 = 15	
vi.	One Shorts Notes from unit IV	1 x 5 = 05	
vii.	Short Notes / Explanation in Sanskrit on any one (Units 1-4)	1 x 5 = 05	
II	**Internal Assessment (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)**		**Marks 25**
	Total Marks: (I+II)		**(75+25) = 100**

DSC 3: Indian Social Institutions and Polity

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Indian Social Institutions and Polity	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives

- To generate interest in Ancient Sociological and Political Structure of the Society. students.
- To impart knowledge of the ancient Political Thinkers.
- To impart general skills to argue on the related topics.
- To establish the relevance of Ancient Indian Social and Political Institutions.

Learning outcomes

- Social institutions and Indian Polity have been highlighted in *Dharma and Artha śāstra* literature.
- The aim of this course is to make students acquainted with various aspects of social institutions and Indian polity as propounded in the ancient Sanskrit texts such as *Mahābhārata*, Kauṭilya's *Arthaśāstra* and other works known as *Nītiśāstra.*
- After learning this, students will be able to know the ancient Indian Political system and its universal theory.

SYLLABUS OF DSC-3

Unit 1 - Foundations of Indian Society   **1 Credit**

    i.   **Dharma**

Sources of Dharma (*Manusmṛti,* 2,12; *Yājñavalkyasmṛti*,1.7)
Fourteen-*Dharmasthānas* (*Yājñavalkyasmṛti*,1.3)
Dharma as Social and Moral Duty (*Mitākṣarāṭīkā* on *Yājñavalkyasmṛti*,1.1).
(*Manusmṛti*,6.92);

    ii.   Dharma as an evolving institution – Directions of and reasons for changes in Dharma Śāstra

iii.   Sociological Significance of Sixteen *Saṁskāras.*

iv.   Balanced Life - Four aims of life *'Puruṣārtha Catuṣṭaya'- 1. Dharma,* 2. *Artha*, 3. *Kāma*, 4. *Mokṣa.*

Unit II - Structure of Society   1 Credit

i.   **Varṇa-System and Caste System:**
Four-fold division of *Varṇa* System, (*Ṛgveda*, 10.90.12),
Mahābhārata, Śāntiparva,72.3.8
Division of *Varṇa* according to *Guṇa* and *Karma* (*Bhagvadgīta*, 4.13, 18.41-44).
Caste-System and Inter-caste Marriages (*Mahābhārata, Anuśāsanaparva*, 48.3-11);
Assimilation of foreign tribes in Varṇa-System (*Mahābhārata, Śāntiparva*, 65.13-22).
Up-gradation and down-gradation of Caste (*Āpastambadharmasūtra*, 2.5.11.10-11, *Baudhāyanadharmasūtra*, 1.8.16.13-14, *Manusmṛti*, 10,64, *Yājñavalkyasmṛti*, 1.96)

ii.   **Position of Women in the Society:**

Brief survey of position of women in different stages of Indian Society;
Position of women in *Mahābhārata* (*Anuśāsanaparva* 46.5-11, *Sabhāparva*, 69.4-13.
Praise of women in The *Bṛhatsaṁhitā* of Varāhamihira
(*Strīprasaṁsā,* chapter-74.1-10)

Unit III State and Kingship   1 Credit

i.   Concept of Welfare State in *Arthaśāstra* of Kauṭilya (*Arthaśāstra*, 1.13: '*matsyanyāyābhibhutaḥ*' to '*yo' asmāngopāyatīt*i')

ii.   Essential Qualities of King (*Arthaśāstra*,6.1.16-18: '*sampādayatyasampannaḥ*' to '*jayatyeva na hīyate*')

iii.   Conduct of the state (Manu Smriti 7 Verses 1 to 15)

Unit IV - State and International Relations   1 Credit

i.   *'Saptāṅga'* Theory of State: 1. *Svāmi*, 2. *Amātya*, 3. *Janapada* 4. *Pura,* 5. *Kośa*, 6. *Daṇḍa* and 7. *Mitra*
(Arthaśāstra, 6.1. Mahābhārata, *Śāntiparva*, 56.5, *Śukranīti*, 1.61-62**)**.

ii.   *'Maṇḍala'*Theory of Inter-State Relations: 1. *Ari*, 2. *Mitra*, 3. *Ari-mitra*,4.*Mitra-mitra*, 5. Ari-mitramitra;

iii.   *Śāḍgunya'*Policy of War and Peace: *1. Sandhi*, 2. *Vigraha*, 3. *Yāna*, 4. *Āsana*, 5. *Saṁśraya* 6. *Dvaidhibhāva*.

Essential/recommended readings

1.   Arthaśāstra of Kautilya - (Ed.) Kangale, R.P. Delhi, Motilal Banarasidas 1965
2.   Mahābhārata (7 Vols) - (Eng. Tr.) H.P. Shastri, London, 1952-59.
3.   Manu's Code of Law - (Ed. & Trans.): Olivelle, P. (A Critical Edition and Translation of the Manava- Dharamaśāstra), OUP, New Delhi, 2006.

4. Yājñavalkyasmṛti with Mitākṣarā commentary - Chowkhamba Sanskrit Series Office, Varanasi,1967

5. कौटिलीय अर्थशास्त्र – उदयवीर शास्त्री मेहर चन्द लछमन दास, दिल्ली

6. बृहत्संहिता – वराहमिहिर, हिन्दी अनुवाद बलदेव प्रसाद मिश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुंबई

7. महाभारत (भाग १ – ६), हिन्दी अनुवाद सहित, गीता प्रैस गोरखपुर

8. मनुस्मृति- चौखंबा प्रकाशन, दिल्ली

Suggested readings

1. काणे, पी. वी. धर्मशास्त्र का इतिहास (1-4 भाग), अनु० अर्जुन चौबे काश्यप, (उत्तर प्रदेश हिन्दी संस्थान, लखनऊ, 1966-73

2. जायसवाल सुवीरा, वर्ण तथा जाति व्यवस्था उद्भव तथा विकास, 2004

3. विद्यालङ्कार सत्यकेतु- प्राचीनभारतीय शासन व्यवस्था और राजशास्त्र, सरस्वतीसदन, मैसूर, 1968

4. Altekar, A.S, State and Government in Ancient India, MotilalBanarsidass, Delhi, 2001.

5. Altekar, A.S, The Position of Women in Hindu Civilization, Delhi, 1965.

6. Bhandarkar, D.R., Some Aspects of Ancient Indian Hindu Polity, Banaras Hindu University

7. Ghosal, U.N., A History of Indian Political Ideas, Bombay,1959.

8. Jayaswal, K.P. Hindu Polity, Bangalore, 1967.

9. Jha, M.N. -Modern Indian Political Thought, Meenakshi Parkashan, Meerut, UP.

10. Law, N. S., Aspect of Ancient Indian Polity, Calcutta, 1960.

11. Lingat Robert, Classical Hindu Law,

12. Mathur A.D. Medieval Hindu Law, Oxford Universuty Press, New Delhi, 2006

13. Mehta, V.R., Foundations of Indian Political Thought, Manohar Publisher, Delhi, 1999.

14. Pandey, G.C. Jaina Political Thought, Jaipur Prakrit Bharti, 1984.

15. Prabhu, P.H. Hindu Social Organisation, Popular Prakashan, Mumbai, 1998

16. Prasad, Beni, Theory of Government in Ancient India, Allahabad, 1968.

17. Saletore, B.A. Ancient Indian Political Thought and Institutions, Bombay, 1963.

18. Sharma, R. S., Aspects of Political Ideas and Institutions in Ancient India, MLBD, Delhi, 1996.

Weekly Plan

Week 1   - Unit 1
Week 2   - Unit 1
Week 3   - Unit 1
Week 4   - Unit 1
Week 5   - Unit 2
Week 6   - Unit 2
Week 7   - Unit 2
Week 8   - Unit 3

Week 9   - Unit 3
Week 10   - Unit 3
Week 11   - Unit 3
Week 12   - Unit 4
Week 13   - Unit 4
Week 14   - Unit 4
Week 15   - Unit 4

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

I		**External Examination**	**Marks 75**
	I	Long Questions -4 (from unit 1-4)	$04 \times 12 = 48$
	ii.	Short notes - 4 (from unit -1 to 4)	$04 \times 05 = 20$
	iii.	One Note in Sanskrit	$01 \times 7 = 7$
II		**Internal Assessment (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)**	**Marks 25**
		Total Marks: (I+II)	**(75+25) = 100**

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

Based on Undergraduate Curriculum Framework 2022

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -II

UNIVERSITY OF DELHI
Delhi

DSC 4: Classical Sanskrit Literature (Prose)

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Classical Sanskrit Literature (Prose)	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives

- This course aims to acquaint students with Classical Sanskrit Prose Literature.
- Origin and development of prose, important prose romances and Sanskrit fables are also included here for students to get acquainted with the beginnings of Sanskrit Prose literature.
- The course also seeks to help students to creatively and critically engage with texts.

Learning outcomes

- The course will enable students enable students to familiarize themselves with some leading classical prose works and individual literary styles of their authors.
- After the completion of this course the learner will be exposed to the socio-cultural conditions of the Indian society as reflected in the prescribed texts.
- Course will also help students to develop their level of Sanskrit language comprehension.

SYLLABUS OF DSC-4

Unit: I (15 Hrs)

Śukanāsopadeśa (Ed. Prahlad Kumar)
Introduction – Author and his works, text reading (Grammar, translation and explanation)
(एवं समतिक्रामत्सु केषुचिद् दिवसेषु ....रेणुमयीव स्वच्छमपि कलुषीकरोति)
Unit: II Viśrutacaritam upto 11th Para
Introduction –Author and his works, Text reading (Grammar, translation and explanation)
(.........इति तमुत्थाप्य क्रीडानिर्भरमतिष्ठत्।)

Unit: III (15 Hrs)

Shivarajvijayam

(------------------ न पारितं निरोद्धुं नयनवाष्पाणि) Introduction –Author and his works, text para 1 to10, Text reading (Grammar, translation and explanation)

Unit: IV   **(15 Hrs)**

General Survey of main Sanskrit Prose Works

Origin and Development of Prose literature and its Kind, Some Major Texts- Vāsavadattā, Kādambarī, Harṣacaritam, Daśakumaracaritam, Tilakmanjarī, Gadyacintāmaṇi, Śivarajavijyam, Pancatantra, Hitopdeśa, Vetālapancaviṁśikā, Siṁhāsanadvātriṁśikā, Puruṣaparīkṣā, Śukasaptati.

Essential/recommended readings:

1. प्रहलाद कुमार. शुकनासोपदेश, मेहरचन्द लक्ष्मणदास, दिल्ली
2. शास्त्री, रामपाल, शुकनासोपदेश, चौखम्बा औरियन्टलिया, वाराणसी
3. सुरेन्द्रदेव शास्त्री, विश्रुतचरितम्, साहित्यभण्डार, मेरठ
4. झा, रमाकान्त, शुकनासोपदेश, चौखम्बा विद्याभवन, वाराणसी
5. देवनारायण मिश्र, शिवराजविजयम्, साहित्यभण्डार, मेरठ
6. पन्त, सुबोधचन्द्र एवं झा, विश्वनाथ, दशकुमारचरितम्, मोतीलाल बनारसीदास, दिल्ली

Suggested readings:

1. शर्मा, उमाशंकर ऋषिः संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
2. उपाध्याय, बलदेवः संस्कृत साहित्य का इतिहास, शारदा निकेतन, वाराणसी
3. प्रीतिप्रभा, गोयलः संस्कृत साहित्य का इतिहास, राजस्थानी ग्रन्थगार, जोधपुर
4. त्रिपाठी, राधावल्लभः संस्कृत साहित्य का अभिनव इतिहास, विश्वविद्यालय प्रकाशन, वाराणसी
5. Keith, A.B., History of Classical Sanskrit Literature, MLBD, Delhi, हिन्दी अनुवाद सहित, मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली
6. M. Krishnamachariyar Shastri: History of Classical Sanskrit Literature, MLBD, Delhi
7. Gaurinath Shastri: A Concise History of Sanskrit Literature, MLBD, Delhi
8. Maurice, Winternitz: Ancient Indian Literature (Vol.1-III), also Hindi Translation, MLBD, Delhi

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSC 5: Sanskrit Epics

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Sanskrit Epics	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives
- To enable students to read simple classical Sanskrit
- To enable students to have a sense of the great impact of the epics on Indian life and literature.
- To impart knowledge of some important segments in the Gita and the Ramayana.
- To introduce Advaita philosophy through Shankaracharya's commentary on the Gita.

Learning outcomes
- The students will be able to understand simple classical Sanskrit.
- The students will build a good vocabulary to write and communicate in Sanskrit.
- Students will become more aware of the impact of the epics on life and literature in India
- They will get acquainted with Advaita philosophy.

SYLLABUS OF DSC-5

Unit1   (15 Hrs)

वाल्मीकि रामायण अयोध्याकाण्ड सर्ग 109 (रामेण जाबालिमतनिराकरणम्)

From Verse 1 (जाबालेस्तु वचः श्रुत्वा...) से 27 कार्याकार्यविचक्षणः तक)

Unit 2   (15 Hrs)

Ramayana as the source of Sanskrit literature
i.   Ramayana as the source book for Indian values – ideal king, ideal family, Ideal Polity, ideal society, ideal character
ii.   Valmiki Ramayana as the source book for Sanskrit literature – Epics, Dramas, Lyric poetry, Adhyātma Ramayana, Adbhuta Ramayana.
iii.   Works in Indian languages based on the Ramayana

Unit 3.   **(15 Hrs)**

भगवद्गीता अध्याय २ पद्य ११ से २५ तक (शाङ्करभाष्य सहित)

Unit 4:   **(15 Hrs)**

Mahabharata as the source book
i.   Mahabharata as the source book for Indian knowledge and values
ii.   Sanskrit literary works based on the Mahabharata – Dramas, long poems (Mahakavyas)
iii. Works in Indian languages based on the Mahabharata

Essential/recommended readings:
1. भगवद्गीता, शाङ्करभाष्य अनुवाद सहित, अनुवादक श्रीहरिकृष्णदास गोयन्दका, गीता प्रैस, गोरखपुर
2. Valmiki Ramayana – Valmiki.iitk.ac.in
3. गीताभाष्यनवाम्बरा- डॉ॰ शिवनारायण शास्त्री

Suggested readings:
1. Bhagawadgita with the commentary of Shankaracharya – A.K. Warrior,
2. Bhagawadgita – Dr. S. Radhakrishnan
3. Śrimadbhagavadgītā, The Scripture of Mankind, text in Devanagari with transliteration in English and notes by Swami Tapasyananda, Sri Ramakrishna Math, 1984
4. Chattopadhyaya D.P., Lokayata- A Study in Ancient Indian Materialism, Popular Publishing House, New Delhi
5. Mishra, Pankaj Kumar, **चार्वाक**, शिबालिक प्रकाशन, दिल्ली

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC 6: Critical Survey of Śāstric Literature

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Critical Survey of Śāstric Literature	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives
- To enable students to Know the Ancient Indian Śāstric Literature.
- To impart knowledge of some important texts and authors who created knowledge on medical science, Aeronautics, music, dances, paintings etc.
- To prepare students to exhibit their understanding of ancient Knowledge System.
- To introduce the contribution of Charak, Sushrut, Bharat, Nagarjun, Paalkaapya etc.

Learning outcomes
- The students will be able to understand the long history of Indian Śāstric Tradition.
- The students will be able to exhibit their understanding of the Indian Knowledge System.
- Students will become more aware of some aspects of Ancient Scientific thoughts and achievements.
- They will get acquainted with Ancient Scientific texts/writings.

SYLLABUS OF DSC-6

Unit 1-   (15 Hrs)

चिकित्साशास्त्र, वनस्पतिशास्त्र, रसायनशास्त्र (Medical Sciences, Botany and Rasāyana) – Origin and development, major texts, major theories, contribution to current understanding

s
Unit 2-   (15 Hrs)

संगीतशास्त्र, नृत्यशास्त्र, मूर्तिकला, चित्रकला (Music, Dance, Iconography and Painting)– Origin and development, major texts, major theories,

contribution to current understanding.

Unit 3-   **(15 Hrs)**

वैमानिकशास्त्र, अश्वशास्त्र, गजशास्त्र, आयुधविज्ञान (Vimānaśāstra, Aśva-śāstra, Gaja- śāstra, Ayudhavijňāna – Origin and development, major texts, major theories, contribution to current understanding

Unit 4-   **(15 Hrs)**

कोशशास्त्र, छन्दः शास्त्र, निरुक्तशास्त्र, व्याकरणशास्त्र - Origin and development, major texts, major theories, contribution to current understanding

Essential/recommended readings:

1. संस्कृत वाङमय का विवेचनात्मक इतिहास- डॉ० सूर्यकान्त
2. संस्कृत साहित्य का इतिहास- डॉ० उमाशंकर शर्मा ऋषि
3. अद्भुत भारत- बाशम, ए. एल. (1995,)अनु० पाण्डेय वेंकटेशचन्द्र शिवलाल अग्रवाल एण्ड कम्पनी , आगरा
4. History of Classical Sanskrit Literature, M. Krishnamachariyar Shastri MLBD, Delhi
5. History of Classical Sanskrit Literature, Keith, A.B., MLBD, Delhi, हिन्दी अनुवाद सहित, मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -III

DSC-7: Classical Sanskrit Literature: Drama

Credit distribution, Eligibility and Pre-requisites of the Course

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Classical Sanskrit Literature: Drama	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course is intends to acquaint the students with two of the most famous dramaturgical works of Sanskrit literature that represent the developmental phases of Sanskrit drama.

Learning outcomes

After the completion of this course, the students will be well informed about the vastness and richness of classical Sanskrit dramatic tradition. This course will enhance the ability of the learners for critical thinking on issues that relate to culture, polity, morality, religion etc. as reflected in the prescribed texts. The course will give the students a basic knowledge of the formal patterns and structures of Sanskrit drama in the tradition of Bharata's Natya Shastra.

Detailed Syllabus

Unit I   **15Hrs**
Abhijānaśākuntalam– Kālidāsa I & IV
        Abhijñānaśākuntalam : Act I and Act IV
        (Text Reading ,Grammar, Translation, Explanation, Introduction to the Author, Purpose and design of Śākuntalam., Popular sayings about the Author, Poetic excellence, Drama's Plot, Timing of Action. Personification of nature, Linguistic style of Kālidāsa, Dhvani , Upamā of Kālidāsa, and other problems related to the text).

Unit II   **15Hrs**
Mudrārākṣasam –Act- I , Act- II and Act –III
        Mudrārākṣasam: Act-I
        Mudrārākṣasam: Act-II
        Mudrārākṣasam: Act-III
        (Text Readings ,Grammar, Translation, Explanation, Introduction, Author, Purpose and design of *Mudrārākṣasa.* Poetic excellence, Plot, Timing of Action, Thematic analysis and other problems related to text.)

Note- Following verses are not to be taught and will not be asked in question-paper.
        Act I-11, 12, 13, 15, 16 and 22
        Act II-2, 6, 12 and 14
        Act III-7, 8, 9, 10, 11, 19, 25, 27, 28 and 30.

Unit III   09Hrs
Critical survey of Sanskrit Drama

Origin and Development of Sanskrit Drama: Some prominent dramatists and their works-: Bhāsa, Śūdraka, ŚriHarṣa, Bhavabhūti, and Bhaṭṭanārāyaṇa.

Unit IV   06Hrs
Some Dramaturgical Terms

Nāndī, Prastāvanā, Sūtradhāra, Pāripārśvika, Vidūśaka, Kañcukī, Viṣkambhaka, Praveśaka, Chūlikā, Aṅkāsya, Aṅkāvatāra, Prakāśa, Svagata, Barata-vākya,

Essential/recommended readings

- अभिज्ञानशाकुन्तलम्, व्या०सुबोधचन्द्र पन्त मोतीलाल बनारसीदास, दिल्ली।

- अभिज्ञानशाकुन्तलम्, व्या० सुरेन्द्रदेव शास्त्री, रामनारायण बेनीप्रसाद,, इलाहाबाद।

- अभिज्ञानशाकुन्तलम्, व्या० नारायणराम आचार्य निर्णयसागर प्रेस।

- मुद्राराक्षसम् चौखम्बा विद्याभवन, वाराणसी।

- मुद्राराक्षसम् निरूपण विद्यालंकार, , साहित्य भण्डार मेरठ।

- मुद्राराक्षसम्, रमाशंकर त्रिपाठी, वाराणसी ।

- भगवतशरण उपाध्याय, कालिदास, कवि और काव्य, भारतीय ज्ञानपीठ, काशी.

- हजारीप्रसाद द्विवेदी, कालिदास की लालित्य योजना, राजकमल प्रकाशन.

- पंकज कुमार, मिश्र शाकुन्तलविषयक रम्यत्व की अवधारणा, परिमल पब्लिकेशन, दिल्ली

- Abhijñanaśākuntalam, C.R.Devadhar (Ed.), MLBD, Delhi.
- Abhijnanasakuntalam, M.R. Kale (Ed.), MLBD, Delhi.
- Gajendra Gadakar (Ed.), Bose, Ramendramohan, Abhijñanas Agency, 10 College, Square, Calcutta.
- Mudräräksasam, M.R. Kale(Ed.),MLBD, Delhi.
- Mudraraksasam, K.T.Telang(Ed.), Nag Publishers, Delhi.

Additional Resources:

1. Minakshi Dalal, *Conflict in Sanskrit Drama,* Somaiya Publication Pvt. Ltd.

2. Ratnamayi Dikshit, *Women in Sanskrit Dramas*, Meherchand Lachhman Das, Delhi.

3. A.B. Keith, *Sanskrit Drama,* Oxford University Press London, 1970.

4. G. K. Bhat, *Sanskrit Drama*, Karnataka University Press, Dharwar 1975.

5. Henry W. Wells, *Six Sanskrit Plays,* Asia Publishing House, Bombay.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC-8: Sanskrit Linguistics

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Linguistics	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course intends to acquaint the students with basic knowledge of Sanskrit linguistics. The Primary objective of the course is to familiarise the learners with the concepts and theories of modern Linguistics and encourage them to analyse Sanskrit Linguistically.

Learning outcomes

After the completion of this course, the students will be able to form a fundamental knowledge about the modern development of the subject of Linguistic and examine Sanskrit language in the light of the structures propounded by the modern Linguistics .

Detailed Syllabus

Unit I   **12Hrs**

भाषा का स्वरूप, भाषा की परिभाषा, भाषा की विशेषताएँ, भाषाविज्ञान का स्वरूप, भाषाविज्ञान के मुख्य अङ्ग एवं भाषाविज्ञान की उपादेयता

Unit II   **12Hrs**

संस्कृत की दृष्टि से ध्वनिविज्ञान, पदविज्ञान, वाक्यविज्ञान एवं अर्थविज्ञान का सामान्य अवबोध

Unit III   **12Hrs**

मूल भारोपीय भाषा की संकल्पना एवं उसकी आधुनिक समीक्षा, भारोपीय भाषापरिवार एवं संस्कृत

Unit IV   **09Hrs**

संस्कृत एवं तुलनात्मक भाषाविज्ञान के इतिहास का सामान्य परिचय

Essential/recommended readings

1. तिवारी, भोलानाथ, तुलनात्मक भाषाविज्ञान, मोतीलाल बनारसीदास, दिल्ली, 1974.
2. तिवारी, भोलानाथ, भाषाविज्ञान, किताबमहल, इलाहाबाद, 1992.
3. द्विवेदी, कपिलदेव, भाषाविज्ञान एवं भाषाशास्त्र, विश्वविघालय प्रकाशन, वाराणसी, 2001.

4. व्यास, भोलाशंकर, संस्कृत का भाषाशास्त्रीय अध्ययन, चौखम्बा विद्याभवन, 1957.

5. शर्मा, देवीदत्त, भाषिकी और संस्कृत भाषा, हरियाणा साहित्य अकादमी, चंडीगढ़

6. शर्मा, देवीदत्त, संस्कृत का ऐतिहासिक एवं संरचनात्मक परिचय (a Historical and Structural Introduction to Sanskrit), हरियाणा साहित्य अकादमी, चण्डीगढ़

7. शर्मा, देवेन्द्रनाथ, भाषाविज्ञान की भूमिका, राधाकृष्ण प्रकाशन, दिल्ली, 2014

8. सिंह, कर्ण, भाषा विज्ञान (Comparative Philology and History of Linguistics), साहित्य भण्डार, सुभाष बाज़ार, मेरठ, 250002

1. Burrow, T., Sanskrit Language (also trans. into Hindi by Bholashankar Vyas), ChaukhambaVidyaBhawan, Varanasi, 1991.
2. Crystal, David, The Cambridge Encyclopedia of Language, Cambridge, 1997.
3. Ghosh, B.K., Linguistic Introduction to Sanskrit, Sanskrit Pustak Bhandar, Calcutta, 1977.
4. Gune, P.D., Introduction to Comparative Philology, Chaukhamba Sanskrit Pratisthan, Delhi, 2005.
5. Jesperson, Otto, Language: Its Nature, Development and Origin, George Allen & Unwin, London, 1954.
6. Murti, M., An Introduction to Sanskrit Linguistics, D.K. Srimannarayana, Publication, Delhi, 1984.
7. Taraporewala, Elements of the Science of Language, Calcutta University Press, Calcutta, 1962.
8. Verma, S.K., Modern Linguistics, Oxford University Press, Delhi,
9. Woolner, A.C., Introduction to Prakrit, Bhartiya Vidya Prakashan, Varanasi.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC-9: Indian Epigraphy I

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Indian Epigraphy I	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims at acquainting the students with the basic knowledge of resources epigraphical in Sanskrit, the only source which directly reflects the society, politics, geography and economy of the time. The course is also intended to help students know the different styles of Sanskrit writings.

Learning outcomes

After the completion of this course , the learners will be aware of the different types of inscription . He will have a sound idea about the relationship of Epigraphy and Histriocity .

Detailed Syllabus

Unit I: Epigraphy   10Hrs

Introduction to Epigraphy and Types of Inscriptions
Role of Indian Inscriptions in the reconstruction of Ancient Indian History and Culture

Unit II   10Hrs

History of Epigraphical Studies in India
History of Decipherment of Ancient Indian Scripts, Contribution of Indologists in the field of Epigraphy: Fleet, Cunninghum, Princep, Buhler, D.C. Sircar, Gaurishankar Ojha, Rajbali Pandey, R.G. Bhandarkar.

Unit III: Palaeography   15Hrs

Antiquity of the Art of Writing
Writing Materials, Inscribers and Libraries
Introduction to Ancient Indian Scripts. Reading and writing skills of Asokan Brahmi Script
Introduction to Gupatan Brahmi, Kharoshthi, Sharda, Kutil,

Unit IV: Chronology   10Hrs

General Introduction to Ancient Indian Chronology
System of Dating the Inscriptions (Chronograms)

Main Eras- Saptarshi, Kali, Veer Samvat, Bauddha Samvat, Maurya Samvat, Vikrama Era, Śaka Samvat, Gupta Samvat, Harsha Samvat, Solar Year and Lunar Year.

Essential/recommended readings

1. अभिलेख-मंजूषा, रणजीत सिंह सैनी, न्यूभारतीय बुक कार्पोरेशन, दिल्ली, 2000.

2. उत्कीर्णलेखपञ्चकम्, झा बन्धु, वाराणसी, 1968.

3. उत्कीर्णलेखस्तबकम्, जियालाल काम्बोज, ईस्टर्न बुकलिंकर्स, दिल्ली.

4. भारतीय अभिलेख, एस.एस. राणा, भारतीय विद्याप्रकाशन, दिल्ली, 1978.

5. भारतीय प्राचीन लिपिमाला, गौरीशंकरहीराचन्द ओझा, अजमेर, 1918.

6. Select Inscriptions (Vol.I) - D.C. Sircar, Calcutta, 1965.

7. नारायण, अवध किशोर एवं ठाकुरप्रसाद वर्मा : प्राचीनभारतीय लिपिशास्त्र और अभिलेखिकी , वाराणसी, 1970.

8. पाण्डे, राजबली : भारतीय पुरालिपि, लोकभारती प्रकाशन, इलाहाबाद, 1978.

9. ब्यूलर, जॉर्ज : भारतीय पुरालिपि शास्त्र, (हिन्दीअनु०) मङ्गलनाथ सिंह, मोतीलाल बनारसीदास, दिल्ली, 1966.

10. मुले, गुणाकर : अक्षरकथा, प्रकाशनविभाग, भारतसरकार, दिल्ली, 2003.

11. राही, ईश्वरचन्द : लेखनकला का इतिहास (खण्ड 1—2), उत्तरप्रदेश हिन्दीसंस्थान, लखनऊ, 1983.

12. सरकार, डी.सी. : भारतीय पुरालिपिविद्या, (हिन्दीअनु०) कृष्णदत्त वाजपेयी, विद्यानिधि प्रकाशन, दिल्ली, 1996.

13. सहाय, शिवस्वरूप : भारतीय पुरालेखों का अध्ययन, मोतीलाल बनारसीदास,दिल्ली. Dani, Ahmad Hasan: *Indian Paleography*, Oxford, 1963.

14. Mishra, Vinod K., Calenders of Indian Motilal Banarsidass, Delhi-110007, 2020.

15. Pillai, Swami Kannu& K.S. Ramchandran: *Indian Chronology (Solar, Lunar and Planetary),* Asian Educational Service, 2003.

16. Satyamurty, K.: *Text Book of Indian Epigraphy*, Lower Price Publication, Delhi, 1992.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

Based on Undergraduate Curriculum Framework 2022

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -IV

DSC-10: Modern Sanskrit Literature

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Modern Sanskrit Literature	04	3	1	0	XII Passed	Working Knowledge of Sanskrit

Learning Objectives

The purpose of this course is to expose students to the rich & profoundly active tradition of modern creative writing in Sanskrit, enriched by new genres of writing.

Learning Outcomes

This course will enable the students to appreciate the Mahākāvya and Charitakāvya, Gadyakāvya, Rūpaka, GītiKāvya and Other genres and General Survey of Modern Sanskrit Literature. It is supposed to create an awareness of historicity of modern Sanskrit literature.

Detailed Syllabus

Unit I   **10 hrs**

Mahākāvya and Caritakāvya: Svātantryasambhavam (Revaprasada Dwivedi) Canto 2, Verses 21-45

Bhimāyanam (Prabha Shankar Joshi) Canto X. Verses 20-29

Unit II   **12 hrs**

Gadya and Rūpaka:

Śataparvikā (Abhirāja Rajendra Mishra)

Śārdūla-Śakatam (1-3 Canto, Virendra Kumar Bhattacharya)

Unit III   **13 hrs**

Other genres:

Hariram Acharya (Sankalpa Gitih);

Pushpa Dikshit (Bruhi Ko'smin yuge.)

RadhaVallabh Tripathi (Dhivaragitih – Naukamiha saram saram…) Harshdev Madhava: Haiku - Snanagrihe, Vedanā, Mrityuh 1, Mrtyuh 2; Mathura Nath Shastri- Kundaliyan (durjana and sajjana maitri)

Unit IV

General Survey   **10 hrs**

Brief Introduction to Modern Sanskrit Literature,

Pandita Kshama Rao, S. B. Varnekar, Parmanand Shastri, Janaki Vallabh Shastri, Ram Karan Sharma. Jagannath Pathak, S. Sunderrajan, Haridas Siddhanta Vagish, Mula Shankar M. Yajnika, Mahalinga Shastri, Yatindra Vimal Chowdhury, V Raghavan, Mohan Lal Sharma Pandey, Ramakant Shukla, and their works.

Essential/Recommended Readings

1. मिश्र अभिराज राजेन्द्र, कल्पवल्ली (समकालीनसंस्कृतकाव्यसंकलन)—साहित्य अकादमी, 2013

2. प्रभाशंकर जोशी, भीमायनम्, शारदा गौरव ग्रन्थमाला, पुणे

3. त्रिपाठी राधावल्लभ, नवस्पन्दः, मध्य प्रदेश हिन्दी ग्रन्थ अकादमी

4. त्रिपाठी राधावल्लभ, आयतिः, राष्ट्रिय संस्कृत संस्थान, दिल्ली

5. द्विवेदी, रेवाप्रसाद स्वातन्त्रयसम्भवम् (द्वितीय सर्ग, स्वातन्त्रयसंकल्पोदय) अनु० सदाशिव द्विवेदी, व्या० शोभामिश्रा, भक्तिप्रकाशन, आर्यनगर, कानपुर, 2021

6. पन्त, गिरीश चन्द्र (सम्पा०), आधुनिकसंस्कृत-साहित्य-संचयन, विद्यानिधि प्रकाशन, दिल्ली, 2008.

7. श्रीनिवासरथ, तदेव गगनं सैव धरा (काव्यसंग्रह), राष्ट्रिय संस्कृत संस्थान, दिल्ली.

8. मिश्र, अभिराज राजेन्द्र, विंशशताब्दी- संस्कृत-काव्यामृतम् , (संक०) (भाग—1)

Additional Resources:

1. उपाध्याय, रामजी, आधुनिकसंस्कृतनाटक, चौखम्बासुरभारती प्रकाशन, वाराणसी, 1996.

2. त्रिपाठी, राधावल्लभ, संस्कृतसाहित्य : बीसवीं शताब्दी, राष्ट्रिय संस्कृत संस्थान, दिल्ली, 1999.

3. मीरा द्विवेदी, आधुनिक संस्कृत महिला नाटककार, परिमल पब्लिकेशन्स, दिल्ली, 2000.

4. रुचि कुलश्रेष्ठ, बीसवीं शताब्दी का संस्कृतलघुकथासाहित्य, राष्ट्रिय संस्कृतसंस्थान, दिल्ली, 2008.

5. कलानाथ शास्त्री, आधुनिक काल का संस्कृत गद्यसाहित्य, राष्ट्रिय संस्कृतसंस्थान, दिल्ली, 1995.

6. शुक्ल, हीरालाल, आधुनिकसंस्कृतसाहित्य, रचनाप्रकाशन, इलाहाबाद, 1971.

7. Joshi, K.R. & S.M. Ayachuit , Post Independence Sanskrit Literature, Nagpur, 1991.

8. Prajapati, Manibhai K., Post Independence Sanskrit Literature: A Critical Survey, Patna, 2005.

9. Usha Satyavrat Sanskrit Dramas of the Twentieth Century, Mehar Chand Lachmandas, Delhi, 1987.

10. द्विवेदी, रहस विहारी, आधुनिक महाकाव्य समीक्षणम्

11. मुसलगाओंकार, के सावा राव, आधुनिक संस्कृत काव्य परम्परा, 2004

12. नारंग, स. प., कालिदास पुननर्वा

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSC-11: Sanskrit and World Literature

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit and World Literature	04	3	1	0	XII Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims to expose students to the spread & influence of Sanskrit literature and culture through the ages in various parts of the world.

Learning Outcomes

Scholars who pursue this course will learn about the cultural contacts between India on

the one hand and Europe, West Asia and South East Asia on the other during different phases of history. They will also see how colonialism distorted India's achievements in knowledge production.

They will become aware of Indo European linguistic and cultural affinities, spread of Indian fables, the Upanishads, the Gita and Kalidasa's works in the west. They will be able to appreciate the close relation between Upanishadic thought and Sufism.

They will study how Sanskrit literature has impacted India's cultural ties with South East Asian countries.

Detailed Syllabus

Unit I   12 hrs

General Survey

The idea of World Literature

Approaches to Sanskrit literature: Romanticism to Utilitarianism and the colonialist agenda

Sanskrit words in Indo -European languages

Unit II   12 hrs

Indian Philosophical thought and it's Global Spread

Vedantic Thought and its Global impact

Upanishadic thought and Sufism: Dara Shikoh's Persian Translation of Upanishads

Unit III 12 hrs

Sanskrit Kavya in World Literature

Ramayana in South East Asia Mahabharata in South East Asian Cultures Shakuntala in Europe

Journey of Panchatantra

Unit IV 09 hrs

Sanskrit Studies across the World

Sanskrit studies in the United States of America (USA) and Canada Sanskrit studies in China and Japan

Sanskrit studies in Europe (United Kingdom (UK), Germany and France)

Books/Readings:

Compulsory Readings

1. Jurgen Lutt, Germany, India and the German Image of India – The Romantic and Utilitarian Image of India in Europe,
2. Ganeri Jonardon: Migrating Texts and Traditions :Dara Shukoh and the Transmission of the Upanishads to Islam
3. Neria H. Hebber, Influence of Upaniṣads in the West, Boloji.com. Retrieved on : 2012-03-02
4. arisebharat.com/2011/10/22/impact-of-bhagvad-gita-on-west/
5. Swami Tathagatananada, Bhagwadgita castes its spell on the West
6. Grigore George : Kalila wa Dimna and its Journey to the World literatures, Romano - Arabica, XIII, 2013, (University of Bucharest, Centre for Arab Studies)
7. Vijay Bedekar : History of Migration of Panchatantra
8. K. Satya Dev Prasad: Impact of Kalidasa on the West (adapted from Light from the Orient)
9. Mahulikar, Gauri : Effect of Ramayana On Various Cultures And Civilisations, Ramayana Institute
10. Dr. V. Raghavan Ed. : The Rāmāyana Tradition in Asia, Sahitya Akademi, New Delhi
11. रामकथा की विदेश यात्रा – ignca.gov.in
12. Mahabharat in South East Asia – You tube video by Veenus Jain
13. Sanskrit in the World: Rashtriya Sanskrit Sansthan, New Delhi
14. संस्कृत का वैश्विक पारिदृश्य
15. Websites of various universities

Additional Readings

1. Swami Tathagatananda, Journey of the Upanishads in the West, Advaita Ashrama, Kolkata

2. Halbfass ; India and Europe, Moti Lal Banarasi Dass (free down load available)

3. Swami Tathagatananda, Light from the Orient,

4. Sinha Mishka: Corrigibility, Allegory, Universality: A History of the Gita's Transnational Reception, 1785-1945, Modern Intellectual History, 7, 2(2010) pp 297-317

5. Davis Richard M. : The Bhagawadgita – A Biography. Princeton University Press, 2015

6. Halbfass William – Europe and India, Motilal Banarasi Dass, Delhi, (free download available) Chapters on Schopenhaur and Hegel

7. Edgerton, Franklin : *The Panchatantra,* translated in 1924 from the Sanskrit by

   Franklin Edgerton, George Allen and Unwin, London, 1965,)

8. Amitabhbose.net : The Sakuntala Epoch in European Romanticism and Indian Classicalism

9. Swami Tathagatananda : Abhijnana Shakuntalam – A Wonder Coming from a

   Land of Wonders in Light from the Orient - pp 69 - 94

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSC-12: Indian Epigraphy II

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisit e of the course
		Lecture	Tutorial	Practical/ Practice		
Indian Epigraphy II	04	3	1	0	XII Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims at acquainting the students with the basic knowledge of epigraphical resources in Sanskrit, the only source which directly reflects the society, politics, geography and economy of the time.

Learning Outcomes

After the completion of this course, the learners will be aware of the different types of inscriptions. He will have a sound idea about the relationship between Epigraphy and Historicity.

Detailed Syllabus

Unit I: Selected Inscriptions (Up to 400 AD)   **12 hrs**

1. First Pillar Edict Delhi Topra of Ashoka

2. Maski Rock Inscription of Ashoka

3. Girnar Inscription of Rudradaman

4. Naland Copper Inscription of Samudragupt

5. Mehrauli Iron-Pillar Inscription

Unit II Selected Inscriptions (Post 400 AD)   **12 hrs**

1. Mandsaur Rock-pillar Inscription of Yashodharman

2. Aihole Inscription of Pulkeshin II

3. Vigrahraj Inscription of Kotla

Unit III: Importance of Epigraphy   **12 hrs**

1. Inscriptions as Historical Source Material

2. Proper dating of events

3. Understanding ancient culture and beliefs

4. Learning the social and economic life of ancient people

5. Learning new languages

Unit IV: Chronograms and Dating of Inscriptions   09 hrs

Essential/recommended readings

1. अभिलेख-मंजूषा, रणजीत सिंह सैनी, न्यूभारतीय बुक कापोरेशन, दिल्ली, 2000.

2. उत्कीर्णलेखपञ्चकम्, झा बन्धु, वाराणसी, 1968.

3. उत्कीर्णलेखस्तबकम्, जियालाल काम्बोज, ईस्टनर् बुकलिंकसर्, दिल्ली.

4. भारतीय अभिलेख, एस.एस. राणा, भारतीय विद्याप्रकाशन, दिल्ली, 1978.

5. Select Inscriptions (Vol.I) - D.C. Sircar, Calcutta, 1965.

6. सहाय, शिवस्वरूप : भारतीय पुरालेखों का अध्ययन, मोतीलाल बनारसीदास,दिल्ली.
   Dani, Ahmad Hasan: Indian Paleography, Oxford, 1963.

7. Pillai, Swami Kannu& K.S. Ramchandran: *Indian Chronology (Solar, Lunar and Planetary),* Asian Educational Service, 2003.

8. Satyamurty, K.: *Text Book of Indian Epigraphy*, Lower Price Publication, Delhi, 1992.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Department of Sanskrit
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Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -V

DSC-13: Veda and Upanishad

Credit distribution, Eligibility and Pre-requisites of the Course

Learning Objectives

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Veda and Upanishad	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

This course on Vedic literature aims to introduce two Vedic Saṁhitãs (Rgveda-saṁhitã & Yajurveda-saṁhitã) to bachelor degree students. The students will also be able to read and know about the contents of one famous Upaniṣad, namely, Kathopaniṣad, which propounds basic Vedānta-view. It will also facilitate the students to know about philosophical, moral, and scientific principles including the source of Indian Intellectual traditions of Vedic period.

Learning Outcomes

By reading these texts, the students will have an impression of the depth of Vedic knowledge and will be able to realize that ideas of Vedic seers based on philosophical, moral, and scientific principles. The various commentators of the Vedas like Sayana, Uvata and Dayananda have also contributed in preserving and promoting the knowledge preserved in the Vedas. By understanding them, students will be able to know and achieve some higher attributes from Vedic heritage about our culture, morals, and thoughts. Thus they may develop curiosity to know more about other Vedic texts and concepts as well. After completing this course, students will surely be able to communicate about some important Vedic verses with their meaning and teaching, and thus fundamentals of religious life of India will be revealed to them in its true form. The students will be able to understand the strength of unity, power of mind, and will realize the importance of earth in their life. From the study of Upaniṣad, they will know about philosophical and Psychological insights of our ancestors and can develop this learning further for the benefit of themselves in particular and society in general.

Detailed Syllabus

Unit I   **12 hrs**
Introduction to Vedic Literature: Samhita (Period and Contents of Samhitas)

Unit II   **10 hrs**
Introduction to Vedic Literature: Brahmana, Ayanyaka and Upanishad (Analysis of Contents)

Unit III   **10 hrs**
Rgveda   1.1 (Agni), 1.81 (Indra)

Unit IV   **15 hrs**

Kathopanishad (Second Valli)

Essential/Recommended Readings

1. ऋग्वेदसंहिता (सायणभाष्यम्), केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली।

2. ऋग्वेदसंहिता, सायणाचार्यकृत भाष्य एवं हिन्दी व्याख्या सहित, रामगोविन्द त्रिवेदी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, 1990

3. ऋग्वेदसंहिता, सायणाचार्यकृत भाष्य एवं हिन्दी अनुवाद, कन्हैयालाल जोशी, परिमल पब्लिकेशन्स, दिल्ली, 2019

4. कठोपनिषद्, शाङ्करभाष्य हिन्दी अनुवाद सहित, गीता प्रेस, गोरखपुर, 2015

5. कठोपनिषद्, शाङ्करभाष्य संवलित, शशि तिवारी, मेहरचन्द लछमनदास पब्लिकेशन्स्, नई दिल्ली, 1981

6. वैदिक संग्रह, कृष्णलाल, इन्दु प्रकाशन, दिल्ली, 1973.

7. शुक्लयजुर्वेदसंहिता, (उवट-महीधरभाष्यसंवलिता), डॉ. रामकृष्ण शास्त्री, चौखम्बा विद्याभवन, वाराणसी, 2015.

8. RIG-VEDA, H. H. Wilson, The Bangalore Printing & Publishing Co. LTD, Bangalore City, 1946

9. New Vedic Selection, Telang and Choubey, Bharatiya Vidya Prakashan, Varanasi, 1997

10. Suklayajurveda-Samhitā (Vajasaneyi-Madhyandina), (Ed.) Jagadish Lal Shastri, MLBD, Delhi, 1978.

Additional Resources:

1. शर्मा, उमाशंकर ऋषि, ऋक्सूक्तनिकरः, चौखम्बा ओरियण्टालिया, वाराणसी. 2019

2. सूर्यकान्त (अनु.)- वैदिक देवशास्त्र, ए.ए.मैकडनल, मेहरचन्द लछमनदास पब्लिकेशन्स, नई दिल्ली, 1962

3. शशि तिवारी, वेदव्याख्यापद्धतयः, प्रतिभा प्रकाशन, दिल्ली, 2014

4. Velankar, H.D., Rksūktāvalī, Vaidika Sanshodhana Mandala, Pune, 1965.

5. Velankar, H.D., Rksūktavaijayanti, Bharatiya Vidya Bhavan, Bombay, 1972.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Department of Sanskrit
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Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

DSC-14: Sanskrit Grammar: Laghusiddhāntkaumudī

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Grammar: Laghusiddhāntkaumudī	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

Sanskrit is much known for a long tradition of grammatical and semantic analysis of the language. Panini's grammar has always been highly respected for providing the best model for structural and semantic studies. This course intends to introduce to students the basic structure of Sanskrit language through the the Laghusiddhantakaumudi , the premier text of Sanskrit grammar by Varadaraj.

Learning Outcomes

After completion of this course students will understand the basic structural nuances of Panini's grammar. They will become familiar with fundamental samdhi and compounding patterns. They will also understand some most important primary and secondary suffixes of Sanskrit. The practice of the application of the rules learnt from the reading of the texts will further enhance their knowledge of the structural patterns of Sanskrit language.

Detailed Syllabus

Unit I   10 hrs

संज्ञा-प्रकरण

माहेश्वरसूत्र ।

प्रत्याहार बनाने की विधि ।

संज्ञाविधायक-सूत्र: हलन्त्यम्, अदर्शनं लोप:, तस्य लोप:, आदिरन्त्येन सहेता, ऊकालोऽज्झ्रस्वदीर्घप्लुत:, तुल्यास्यप्रयत्नं सवर्णम्, अणुदित् सवर्णस्य चाप्रत्यय:, मुखनासिकावचनोऽनुनासिक:, हलोऽनन्तराः संयोगः, सुप्तिङन्तं पदम्

Unit II अच्-सन्धि   10 hrs

यण् सन्धि - इको यणचि, परः सन्निकर्षः संहिता, तस्मिन्निति निर्दिष्टे पूर्वस्य, स्थानेऽन्तरतमः ।

दीर्घ सन्धि - अकः सवर्णे दीर्घः ।

अयादिसन्धि - एचोयवायावः, यथासंख्यमनुदेशः समानाम् ।

गुणसन्धि – अदेङ् गुणः, आद्गुणः, उरण् रपरः ।

वृद्धि सन्धि - वृद्धिरादैच्, वृद्धिरेचि, भूवादयो धातवः, उपसर्गाः क्रियायोगे ।

पूर्वरूप सन्धि – एङः पदान्तादति ।

पररूप सन्धि - एङि पररूपम् ।

Unit III हल् सन्धि एवं विसर्ग सन्धि   **10 hrs**

हल् सन्धिः-

श्चुत्व - स्तोः श्चुना श्चुः ।

ष्टुत्व - ष्टुना ष्टुः ।

अनुनासिक - यरोऽनुनासिकेऽनुनासिको वा ।

छत्व – शश्छोऽटि ।

जश्त्व - झलां जशोऽन्ते ।

अनुस्वार- मोऽनुस्वारः ।

विसर्ग सन्धिः-

सत्व - विसर्जनीयस्य सः ।

उत्व - ससजुषो रुः ।

अतो रोरप्लुतादप्लुते, हशि च ।

लोप - भोभगोअघोअपूर्वस्य योऽशि, हलि सर्वेषाम् , ड्लोपे पूर्वस्य दीर्घोऽणः, रो रि ।

Unit IV   समास प्रकरण   **15 hrs**

अव्ययीभाव समास - समर्थः पदविधिः,   अव्ययं
विभक्तिसमीपसमृद्धिव्यृद्ध्यर्थाभावात्ययासम्प्रतिशब्दप्रादुर्भावपश्चाद्यथानुपूर्व्ययौगपद्यसादृश्यसम्प
त्तिसाकल्यान्तवचनेषु, प्रथमानिर्दिष्टं समास उपसर्जनम्, उपसर्जनं पूर्वम्,
नाऽव्ययीभावादतोऽम्त्वपञ्चम्याः, नदीभिश्च ।

तत्पुरुष समास - - द्वितीया श्रितातीतपतितगतात्यस्तप्राप्तापन्नैः,   तृतीया तत्कृतार्थेन
गुणवचनेन,   चतुर्थी तदर्थार्थं बलिहितसुखरक्षितैः,   पंचमी भयेन,   षष्ठी,   सप्तमी शौण्डैः ।

तत्पुरुष के अन्य भेद - विशेषणं विशेष्येण बहुलम्, नञ्,   नलोपो नञः, तस्मान्नुडचि

बहुव्रीहि समास -   अनेकमन्यपदार्थे, सप्तमीविशेष्येण बहुव्रीहौ

द्वन्द्व समास - चार्थे द्वन्द्वः

Essential/Recommended Readings

Compulsory Readings:

1. धरानन्द शास्त्री, लघुसिद्धान्तकौमुदी, मूल एवं हिन्दी व्याख्या, दिल्ली ।
2. भीमसेन शास्त्री, लघुसिद्धान्तकौमुदी भैमी व्याख्या) भाग-1), भैमी प्रकाशन, दिल्ली ।
3. चारुदेव शास्त्री, व्याकरण चन्द्रोदय) भाग-1,2 एवं 3), मोतीलाल बनारसीदास, दिल्ली ।
4. सत्यपाल सिंह) संपा. (लघुसिद्धान्तकौमुदी :प्रकाशिका हिन्दी व्याख्या सहिता, शिवालिक पब्लिकेशन, दिल्ली, 2014 ।
5. Kanshiram, Laghusiddhāntakaumudī (Vol. I), MLBD, Delhi, 2009.

Additional Resources:

1. Online Tools for Sanskrit Grammar developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi: http://sanskrit.du.ac.in
2. M.R. Kale, Higher Sanskrit Grammar, MLBD, Delhi (Hindi Translation also available).
3. V.S. Apte, The Students' Guide to Sanskrit Composition, Chowkhamba Sanskrit Series, Varanasi (Hindi Translation also available).

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSC-15: Introduction to Nyaya-Vaisheshika Philosophy

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Nyaya-Vaisheshika Philosophy	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims at getting the students acquainted with the cardinal principles of the Nyaya-Vaisheshika Philosophy and enablling students to understand Philosophical texts like Tarkasangrah. It also intends to give them an understanding of essential aspects of Indian Philosophy like Pluralism, Theory of Causation, Realism, etc.

Learning Outcomes

After completion of this course students will become familiar with the most important and influential schools of Indian Philosophy i.e. Nyaya-Vaisheshika. They will also be introduced to essential problems of Nyaya-Vaisheshika- Causation, Ontology and Epistemology. This will enable them to engage with other texts in Indian philosophy with some ease.

Detailed Syllabus

Unit I   **10 hrs**

Origin and Development of Nyaya-Vaisheshika Philosophy.
Introduction to prominent Acharyas (Gautam, Kanada, Prashasta-Pada, Vatsyayana, and Vachaspati Mishra) and their texts.
Introduction to Navya-Nyaya

UNIT II   **10 hrs**

Some Basic Tenets of Nyaya-Vaisheshika- Yatharthavada or Vastuvāda (Realism), Bahu-tattvavāda (Pluralism); Dharma (Property) Dharmi (Substratum) Karyakaraṇavāda (Causation) Asatkaryavada and Arambhavada (doctrine of non-pre-existence of effect in the cause)

Unit III Vaisheshika Ontology (Tarkasangraha)   **10 hrs**

Concept of Padartha, Three Characteristics of Padarthas,
Definition of Dravya, Definitions of All Nine Dravyas and their examination
Twenty Four types of Qualities, Five types of Karma.
Sämānya, Višesa, Samavāya, Abhāva,

Unit: IV   **15 hrs**
Nyaya-Epistemology (Tarkasangraha)
    Buddhi (Jñana)- Nature of Jñana in Nyaya-Vaisheshika;
    Karana and Kaarana
    Definitions and types of Pramā
    Pratyaksha, Anumana including Hetvabhäsa
    Upamana and sabda Pramāṇa,
    Types of Ayathartha Anubhava

Suggested Books/Readings:
1. Athalye & Bodas, **Tarkasamgraha of Annambhatta** (with Dipika & Nyayabodhini), (Ed. & Tr.) Mumbai, 1930.
2. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Philosophy, Calcutta University, Calcutta, 1968 (Hindi Translation available).
3. Mishra, Pankaj Kumar, **Tarkasamgraha** of Annambhatta (with Dipika and its Hindi Translation), (Ed. & Tr), Parimal Publication, Delhi-7, 2013,
4. Narendra Kumar, **Tarkasamgraha**, Hansa Prakashan, Jaipur.

Additional Resources:
1. Bhattacharya, Chandrodaya, The Elements of Indian Logic and Epistemology
2. Chatterjee, S. C., The Nyaya Theory of Knowledge, Calcutta, 1968.
3. Hiriyanna, M., Outline of Indian Philosophy, London, 1956 (also Hindi Translation).
4. Kuppuswami Shastri, A Primer of Indian Logic, Madras, 1951.
5. Maitra, S.K., Fundamental Questions of Indian Metaphysics & Logic,
6. Radhakrishnan, S, Indian Philosophy, Oxford University Press, Delhi, 1990.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

Based on Undergraduate Curriculum Framework 2022

Department of Sanskrit
UNIVERSITY OF DELHI

UNDERGRADUATE PROGRAMMES OF STUDY

STRUCTURE, COURSES & SYLLABI OF SEMESTER -VI

DSC-16: Vedic Samhita & Grammar

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Vedic Samhita & Grammar	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

This course on Vedic literature aims to introduce two Vedic Saṁhitãs (Samaveda & Atharvaveda) and Vedic Grammar to Bachelor Degree students. Also, the course has a special segment introducing Sri Aurobindo's Commentary on Vedas. It will also facilitate the students to know about philosophical, moral, and scientific principles including the source of Indian Intellectual traditions of the Vedic period.

Learning Outcomes

After completing this course students will be able to communicate some important Vedic verses with their meaning and teaching, and thus fundamentals of the religious life of India will be revealed to them in their true form. The students will be able to understand the strength of unity and power of the mind, and will realize the importance of the earth in their life.

Detailed Syllabus

Unit I   **12 hrs**
   Rgveda: 10.34 (Aksha Sukta) 10.121 (Hiranyagarbha)
   Yajurveda
   23.1-12 (Prajapati), 34.1-6 Sivasamkalpa Sukta

Unit II   **12 hrs**
   Atharvaveda
   3-30 (Sammanasya Sukta), 12.1-12 (Pruthivi Sukta)

Unit III   **09 hrs**
   The Secret of the Veda (Sri Aurobindo)
   Chapter V–VII

Unit IV   **12 hrs**
   Vedic Grammar
   Padapatha, Vaidika Svara, Let Lakara, Ktvarthaka & Tumarthaka pratyaya

Essential/Recommended Readings

1. अथर्ववेद संहिता, सुबोध भाष्य, पण्डित श्रीपाद दामोदर सातवलेकर, स्वाध्याय मण्डल, पारडी,
   जिला-बलसाड, गुजरात, 2010

2. अथर्ववेदसंहिता (सायणभाष्यसहिता हिन्दीभाषानुवादसंवलिता), व्याख्याकारः सम्पादकश्च पण्डित रामस्वरूपशर्मागौडः, चौखम्बा विद्याभवन, वाराणसी, 2011

3. वैदिक संग्रह, कृष्णलाल, इन्दु प्रकाशन, दिल्ली, प्रथम संस्करण 1973.

4. सामवेदसंहिता (सायणभाष्यसहिता हिन्दीभाषानुवादसंवलिता), व्याख्याकारः सम्पादकश्च पण्डित रामस्वरूपशर्मागौडः, चौखम्बा विद्याभवन, वाराणसी, 2011

5. सामवेदसंहिता, श्रीपाद दामोदर सातवलेकर, स्वाध्याय मण्डल, पारडी, गुजरात, 2000

6. Atharvaveda (Saunakīya): (Ed.) Vishva Bandhu, VVRI, Hoshiharpur, 1960.

7. Atharvavedasamhita, English Tr. By Dr. Tulsi Ram, Vijaykumar Govindram Hasanand, Delhi, 2013

8. Hymns of Samaveda, Translated with popular commentary by Ralph T H Griffith, Benares, EJ lazarus and Co., 1983

9. Samaveda, English Tr. By Dr. Tulsi Ram, Vijaykumar Govindram Hasanand, Delhi, 2013

Additional Resources:

1. शर्मा, उमाशंकर ऋषि, ऋक्सूक्तनिकरः, चौखम्बा ओरियण्टालिया, वाराणसी 2019

2. सूर्यकान्त (अनु.)- वैदिक देवशास्त्र, (ए.ए.मैकडनल), मेहरचन्द लछमनदास पब्लिकेशन्स, नई दिल्ली, 1962

3. शशि तिवारी, वेदव्याख्यापद्धतयः, प्रतिभा प्रकाशन, दिल्ली, 2014

4. Velankar,H.D., Rksūktāvalī, Vaidika Sanshodhana Mandala, Pune, 1965.

5. Velankar,H.D., Rksūktavaijayanti, Bharatiya Vidya Bhavan, Bombay, 1972.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

DSC-17: Sanskrit Composition and Communication

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Composition and Communication	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives
This paper aims at developing compositional and communicative skills in Sanskrit. Students will learn also learn the art of translation from Sanskrit into Hindi or English and vice versa.

Learning Outcomes
After the completion of this course the learners will be able to develop a critical, linguistic and scientific approach towards Sanskrit language. The practice of essay writing will make the students form ideas and express them in Sanskrit. This practice will also familiarize them with various shastric theories and doctrines of various knowledge domains.

Detailed Syllabus

Unit I   **12 hrs**
Compositional Sanskrit: Vibhaktyartha, Voice & Krt
  Translation from/to Hindi/English to/from Sanskrit on the basis of cases, Compounds, Voices and kṛt suffixes.

  Vibhaktyartha Prakarana of Laghusiddhantakaumudi
  Vācya (Voice) – kartṛ, Karma and Bhāva
  Selected kṛt Suffixes - tavya, anīyar, yat, ṇyat, ṇvul, tṛc, kta, ktavatu, śatṛ, śānac, tumun, ktvā-lyap, lyuṭ, ghañ, ktin

Unit II   **09 hrs**
Communicative Sanskrit
  Simple Conversations

Unit III   **12 hrs**
Essay on Traditional Subjects
  Composition of long/detailed essay on Veda, Upanisad, Sanskrit, Ramayana, Mahabharata, Purana, Gita, prominent classical Sanskrit poets.

Unit IV   **12 hrs**
Essay on Comtemporary Subjects
    Composition of short essay on contemporary issues and topics.

Essential/Recommended Readings

1. शास्त्री, घरानन्द, लघुसिद्धान्तकौमुदी, मूल एवं हिन्दी व्याख्या, मोतीलाल बनारसीदास,

2. नौटियाल, चक्रधर, बृहद्- अनुवाद- चन्द्रिका, मोतीलाल बनारसीदास, दिल्ली.

3. द्विवेदी, कपिलदेव, रचनानुवादकौमुदी, विश्वविद्यालय प्रकाशन, वाराणसी.

4. द्विवेदी, कपिलदेव, संस्कृत निबन्धशतकम् विश्वविद्यालय प्रकाशन, वाराणसी

5. Kale, M.R, Higher Sanskrit Grammar, MLBD, Delhi (Hindi Translation also available).

Additional Resources:

1. शास्त्री, भीमसेन, लघुसिद्धान्तकौमुदी, भैमीव्याख्या) भाग-1), भैमीव्याख्या, दिल्ली.

2. पाण्डेय, राधामोहन, संस्कृत सहचर, स्टूडेण्ट्स फ्रेण्ड्स, पटना.

3. Apte, V.S.,The Students' Guide to Sanskrit Composition, Chowkhamba Series, Varanasi (Hindi Translation also available).

4. Kanshiram, Laghusiddhantakaumudi (Vol. 1), MLBD, Delhi, 2009.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSC-18: Poetics and Literary Criticism

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Poetics and Literary Criticism	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

This course on Poetics and Literary Criticism aims at providing the students with the knowledge of fundamental principles of literary criticism in the Indian tradition on the basis of Kāvyaprakāśa and Sahityadarpana.

Learning Outcomes

After completion of this course the students will be equipped with skills to assess the merits or demerits of works on poetry, prose and drama. They will be able recognize various genres of poetry, appreciate the objectives of poetry and also analyze the structure of a work in terms of the essential ingredients of poetry as propounded. Students will be inspired and encouraged to compose.

Detailed Syllabus

Unit I Introduction to Sanskrit Poetics   12 hrs
Origin and development of Sanskrit poetics,
Its various names- kriyākalpa, alaṁkāraśāstra, sāhityaśāstra, saundryaśāstra.
Kāvya-Prayojana (objectives) and Kāvya-Lakṣaṇa (definition, based on Sāhityadarpaṇa)
Kāvya-Hetu (causes) of poetry (based on kāvyaprakāśa).

Unit II Forms of Poetry   10 hrs
Forms of poetry: Dṛśya, Śravya, Miśra, (campū)
Mahākāvya, Khaṇḍakāvya, Gadya-Kāvya: Kathā, Ākhyāyikā (based on Sāhityadarpaṇa)

Unit III   14 hrs
Śabda-śakti
General introduction to Śabda-śakti (based on Kāvyaprakāśa).
Abhidhā (expression/ denotative power),
Lakṣaṇā (indication/ indicative power) and
Vyañjanā (suggestion/ suggestive power).

Unit IV   **09 hrs**
Rasa-sūtra

Rasa: Rasa-sūtra of Bharata and its prominent expositions (based on Kāvyaprakāśa):
Utpattivāda,
Anumitivāda,
Bhuktivāda and
Abhivyaktivāda.

Essential/Recommended Readings

1. Sāhityadarpaṇa: (Ch.VIth), Kārikā 6/1,2,313-37
2. Dwivedi, R.C, The Poetic Light:, Motilal Banarsidas, Delhi.1967.
3. Kāvyaprakāśa, kārikās 4/27, 28 with explanatory notes.
4. Ray, Sharad Ranjan, Sāhityadarpaṇa; Viśvanātha, (Ch I, VI & X) with Eng. Exposition, Delhi.
5. नगेन्द्र, (सं०), काव्यप्रकाश : मम्मटकृत, आचार्य विश्वेश्वर की व्याख्या सहित, ज्ञानमंडल लि०, वाराणसी ।
6. शालिग्राम शास्त्री, साहित्यदर्पण : (व्या०), मोतीलाल बनारसीदास, दिल्ली ।

Additional Resources:

1. बलदेव उपाध्याय, संस्कृत—आलोचना, हिन्दी समिति, सूचना विभाग, उ. प्र., 1963.
2. Kane P.V., History of Sanskrit Poetics pp.352-991,
3. Kane, P.V., 1961, History of Sanskrit Poetics and its Hindi translation by Indrachandra Shastri, Motilal Banarasidas, Delhi.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Pool of Discipline Specific Elective Courses
Semesters III – VI

SEMESTER III

DSE-1: Indian System of Logic and Debate

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Indian System of Logic and Debate	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims at getting the students acquainted with the fundamental Indian principles of debate and its applications, not just in the philosophical discourse, but also in every area of knowledge. The course intends to bring the indigenous science of argumentation to the fore.It also intends to help the students develop logical faculty of discourse mind and to perceive the world in a more rational way in their day-to-day life situations.

Learning outcomes

At the end of this course, the learners will be able to form a comprehensive idea about different levels, layers and components of Indian science of debate .

Detailed Syllabus

Unit I   **12Hrs**

Fundamentals of the Science of Debate

Science of inquiry (Anvīkṣikī) & its importance, Growth of Anvīkṣikī into the art of Debate, The council of debate (Pariṣad) & its types, Discussant (Vādī), Opponent (Prativādī), Madhyastha (Judge) and Prāśnika.

Note:

The definitions and concepts are to be taken from *Nyāyasūtra*, *Nyāyakośa* of Bhimacharya Jhalkikar and *A History of Indian Logic* by S. C. Vidyabhushan, Chapter III of Section I.

Unit II   **12Hrs**

Syllogistic Logic

Inference (Anumāna) & its key terms, viz. major term or probandum (Sādhya), middle term or probans (Hetu), minor term (Pakṣa), illustration (Sapakṣa), contrary-illustration (Vipakṣa), basic understanding of invariable concomitance (Vyāpti) & its types, establishing Vyāpti through inductive method, demonstration of pervasion- Upādhi and Tarka, nature and variety of Tarka, Pañcāvayava-vākya.

Note:

The definitions and concepts are to be taken from the Tarkasaṁgraha, Tarkabhāṣā and the Nyāya Theory of Knowledge by S. C. Chatterjee, Chapters XI-XIV.

Unit III   **09Hrs**

Theory of Debate

Basic understanding of the following terms: Example (Dṛṣṭānta), Tenet (Siddhānta), Ascertainment (Nirṇaya), Dialogue (Kathā) and its kinds, Discussion (Vāda), Wrangling (Jalpa), Cavil (Vitaṇḍā).

Unit IV   **12Hrs**

Quibble (Chala) & its kinds; Analogue (Jāti), Point of defeat (Nigrahasthāna) & its kinds- Hurting the proposition (Pratijñāhāni), Shifting of proposition (Pratijñāntara), Opposing the proposition Pratijñāvirodha), Renouncing the Proposition (Pratijñāsannyāsa), Admission of an opinion (Matānujñā).

Note:

 The definitions and concepts are to be taken from the Nyāyasūtra, Nyāyakośa by Bhimacharya Jhalkikar and A History of Indian Logic by S. C. Vidyabhushan, Chapter II of Section II.

Essential/recommended readings

1. Vidyabhushan, Satish Chandra, A History of Indian Logic, MLBD, Delhi, 1962. (Chapter III of Section I & Chapter II of Section II only)

2. Potter, Karl H., Encyclopaedia of Indian Philosophies, Vol. II, Motilal Banarsidass, Delhi, 1977.

3. Jhalkikar, Bhimacharya, Nyāyakośaḥ, Bhandarkar Oriental Research Institute, Poona, 1997 (reprint of fourth edition)

4. Athalye & Bodas, Tarkasaṅgraha, Mumbai, 1920. (only introduction & exposition of anumāna)

5. Shastri , Kuppuswami, A Primer of Indian Logic, Madras, 1951 (only introduction & exposition of anumāna).

6. Tarkasaṁgraha of Annaṁbhaṭṭa (with Dipika), (Ed. & Tr. in Hindi), Kanshiram & Sandhya Rathore, MLBD, Delhi 2007.

7. Bagchi, S. S. – Inductive Logic : A Critical Study of Tarka & Its Role in Indian Logic, Darbhanga, 1951.

8. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Philosophy, Calcutta University, Calcutta, 1968 (Hindi Translation also)

9. Chatterjee, S. C. – The Nyāya Theory of Knowledge, Calcutta, 1968.

10. Hiriyanna, M. - Outline of Indian Philosophy, London, 1956 (also Hindi Translation).

11. Jha, Harimohan – Bhāratīya Darśana Paricaya, Vol. I (Nyāya Darśana), Darbhanga.

12. Matilal, B. K. – The Character of Logic in India, Oxford, 1998.

13. Radhakrishnan, S. - Indian Philosophy, Oxford University Press, Delhi, 1990.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-2: Fundamentals of Ayurveda

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Fundamentals of Ayurveda	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

Āyurveda is the most ancient but still a living healthcare system of India. This course will introduce students to the basic concepts of the Science of Āyurveda. The major objective of the course is to make the learners understand the basic principles and concepts of preventative and curative medicines, health maintenance, diet and nutrition, usage of commonly used spices and herbs and therapeutic procedures in Āyurveda

Learning outcomes

Graduates who read this course should be able to know the ancient tradition of Indian Medicine system, which talks about not only to the physical health but also a healthy lifestyle. After reading this paper students will know the history of Āyurveda through original sources of ancient medicine system as enshrined in the Sanskrit texts like Charaka Saṁhitā, Śuśruta Saṁhitā, Aṣṭānṅga Hridaya etc. and they will also get the basic knowledge of eight departments of Āyurveda. Second section of this paper is related to ancient physiology.

Detailed Syllabus

Unit I   **15Hrs**

Introduction to Āyurveda

History of Āyurveda in the pre-Charaka period, the two schools of Āyurveda:

Dhanvantari and Punarvasu.

Ācāryas of Āyurveda: Charaka, Sushruta, Vagbhata, Madhava, Sharngadhara and Bhavamishra

Basic Principles of Āyurveda

1. The Pancamahābhūtas: Ākāśa (Space), Vāyu (Air), Tejas or Agni (Fire), Jala (Water) and Prithivī (Earth).

2. The Triguṇas: Sattva, Rajas and Tamas.

3. The Tridoṣas: Vāta, Pitta and Kapha.

4. The Saptadhātus: Rasa (fluid), Rakta (blood), Māṁsa, Meda (fat) Asthi, Majjā and Śukra.

5. The Trayodaśāgnis: Jatharāgni (gastric fire), Saptadhātvagni and Pancabhūtāgni.

6. The Trimalas: Purīṣā (faeces), Mūtra (urine) and Sveda (sweat).

Unit II 								**10Hrs**

Eight branches of Āyurveda (Aṣṭāṅga Āyurveda):

1**.** Kāycikitsā (General Medicine)

2. Kaumārabhṛtya (Pediatrics)

3. śalyatantra (Surgery)

4. Śālākya-Tantra (Ent. and Ophthalmology)

5. Bhūta Vidyā (Psychiatry Medicine).

6. Viṣa Vijñāna (Toxicology).

7. Rasāyana (Rejuvenates).

8. Vājīkaraṇa (Aphrodisiac).

Unit III 								**10Hrs**

Lifestyle and Preventive Medicine:

1. Understanding Health and Disease in Āyurveda

2. Ayurvedic SvasthaVṛtta (Preventive Medicine): Seasonal regimen & Social Conduct and its effect on health.

3. Carakasaṁhitā – Sūtra-sthānam (Tasyāśitīyādhyāya)

Regimen of Six Seasons (Ṛtucharyā) : Hemanta (Early Winter), Śiśira (Winter),Vasanta (Spring), Grīṣma (Summer), Varṣā (Rainy) and Śarada (Autumn).

Unit IV 								**10Hrs**

Diagnosis of illness (Roga-Parīkṣaṇa)

Eight ways of diagnosing illness-

Nāḍī (Pulse Examination), Mūtra (Urine Examination), Mala (Stool Examination), Jihvā (Tongue Examination), Śabda (Speech Examination), Sparśa (Touch Examination), Dṛk (Vision Examination), and Ākriti (Appearance).

Pancha kosha

The holistic concept of body in Indian Medicine Based on Taittirīyopaniṣad - Bhriguvalli, Anuvāka- (1-6)

Essential/recommended readings

1. आयुर्वेद का साहित्यिक इतिहास, हिन्दी साहित्य सम्मेलन, इलाहाबाद.

2. Singh R.H., Body, Mind, Spirit – Integrative Medicine in Ayurveda, Yoga and Nature Cure - Chowkhamba Surbharti Pratishthanam, Varanasi, I 2009

3. V.B. Athavale, Basic Principles of Āyurveda, ChaukhambaSanskrit Pratishthan New Delhi, 2005.

4. Priya Vrat Sharma, Essentials of Āyurveda: Sodasangahṛdayam, MotilalBanarsidass Publishers, 1999

Suggested readings

1. Bhagavan Dash, Vaidya, and Acarya Manfred M. Junius, A Handbook of Āyurveda, Concept Publishing Co., New Delhi,1987.

2. Bhishagratna, Kaviraj Kunjalal, ed., translator. (2002). Sushruta Samhita Volumes I and II. Varanasi, India: Chowkhamba Sanskrit Series.

3. Charak Samhita E-text: http://www.charakasamhita.com/ 7. http://www.tkdl.res.in/tkdl/langdefault/ayurveda/Ayu_Principles.asp?GL=#q1

4. K. R. Srikantha Murthy, Illustrated Susruta Samhita, ChaukhambaOrientalia, 2012

5. M.S. Valiathan, An Introduction to Āyurveda Paperback, Universities Press (India) Private Limited, 2013

6. M.S. Valiathan, The Legacy of Suśruta, Universities Press, 2007

7. Ravi DattaTripathi, Vāgbhaṭa's Aṣṭāṅg-saṅgraha, ChowkhambaSanskrit Pratishthanam, Delhi., 2011.

8. ShanthaGodagama, The Handbook of Āyurveda, North Atlantic Books, 2004

9. Sharma, Priyavrit V., ed., translator. (1981-1994). Charaka Samhita, Vols. 1 - 4, Chaukhamba Sanskrit Series, Varanasi, India: Varanasi, India: Chowkhamba SanskritSeries.

10. Sharma, Ram Karan and Bhagawan Dash, Vaidya, eds., translators (1992 – 2000). CharakaSamhita Vols. 1 – 6. Varanasi, India.Chaukhamba Sanskrit Series]

11. Srikrishnamurthy, K.R. Srikantha, translator. (1991-1992). Vagbhata, AstangaHridayamVols. 1 and 2. Varanasi, India: Krishnadas Academy

12. Srikrishnamurthy, K.R. Srikantha, translator. (2001). Sharangadhara Samhita: A treatise on Āyurveda. Varanasi, India: ChaukhambaOrientalia.

13. Susruta (Author), Kunja Lal Bhishagratna, An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text. Edited and Published by KavirajKunja Lal Bhishagratna. with a Full ... Notes, Comperative Views, Index, Glossary, Nabu Press, 2012

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-3: Computational Linguistics for Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Computational Linguistics for Sanskrit	04	3	1	0	Semester II Passed	Basic knowledge of Computer and Sanskrit

Learning Objectives

This course is supposed to familiarise the students with modern technology in the field of Computational linguistics and language technology and prepare the students for next level of Computational understanding in Sanskrit. After covering these topics in Computational Linguistics (CL), the students will learn the tools and techniques of CL and also do the detailed survey and learn various methodologies used in the field.

Learning outcomes

The course-level learning outcomes that a student of this course is required to demonstrate are indicated below:

- Learn the basics of Theoretical Concepts of Computational Linguistics.

- Learn the basic concepts of the various Applied Areas of Computational Linguistics e.g. Morphological Analyzer/Speech/Speaker Recognition, Speech Synthesis, Text to Speech, Language Analysis, Understanding, Generation, Natural Language Interface, Text Processing and Machine Translation etc.

- Learn the basic concept of databases for data Storage.

- Students will learn the Survey of Computational Linguistics.

Detailed Syllabus

Unit I   **12Hrs**

Theoretical Concepts of Computational Linguistics:

Language and Communication, Levels of Language, Phonemes, Morphemes, POS, Lexicon, Syntax, Semantics, Discourse, Natural Language vs Artificial Language, Speech and Language, Grammars. Computer Intelligent Interaction (HCII), Human Processing of Languages vs Computer Processing of Natural Languages, Rule based vs Statistical Processing, Machine Learning, Annotation of Language, Standards, Unicode, and Language Resources.

Unit II   **09Hrs**

Survey of the Sanskrit Computational Linguistics

Unit III   **12Hrs**

Applied Areas of Sanskrit Computational Linguistics

Morphological Analyzer
Speech/Speaker Recognition
Speech Synthesis,
Text to Speech
Language Analysis
Language Understanding
Language Generation
Natural Language Interface
Text Processing
Machine Translation

Unit IV   **12Hrs**

Data Storage:

An Introduction to Databases
Databases and Database Systems,
Architecture of Database Systems
Historical Perspective of Database Systems.
Basics of MS SQL Database

Essential/recommended readings

1. Chandra Subhash (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.
2. Chandra Subhash (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-7.
3. Bharti A., R. Sangal, V. Chaitanya, "NL, Complexity Theory and Logic" in Foundations of Software Technology and Theoretical Computer Science, Springer, 1990.
4. Gazdar G. and C. Mellish, NLP in Prolog, Wokhingham: Addison Wesley, 1989.
5. Gazdar, G. and C. Mellish, NLP in Lisp, Wokhingham: Addison Wesley, 1989.

6. Grishman, R., Computational Linguistics: An introduction, Cambridge University Press, 1986.
7. Grosz, Barbara J. (et al.) Readings in NLP, (ed.) LA: Morgan Kaufmann, 1990
8. Kenneth A. Lambert, 2011, Fundamentals of Python: First Programs, Cengage Learning.
9. Nath Jha, Girish (ed.), 2010, Sanskrit Computational Linguistics, Springer. Verlag, Germany, 2010.
10. Ruslan Mitkov, Oxford handbook of computational linguistics, Oxford University Press, 2005.
11. Dan Jurafsky, James H. Martin, 2000, Speech and Natural Language Processing, Prentice Hall.
12. R. Elmasri, S.B. Navathe, Fundamentals of Database Systems (5th Ed.), Pearson Education.

Suggested readings

1. Chandra, Subhash and Jha, GN. Computer Processing of Nominal Inflections in Sanskrit: Methods and Implementations, CSP, UK, 2012.
2. Sanskrit Computational Linguistics symposium 1-2: Springer Verlag LNCS 5402 G Huet, A Kulkarni and P Scharf (eds), Proceedings of the 1st and 2nd International Symposium, 2009.
3. Sanskrit Computational Linguistics symposium 3: Springer Verlag LNCS 5406 A Kulkarni, G Huet (eds), Proceedings of the 3rd International Symposium, Jan 15 - 17, 2009, Hyderabad.
4. Grishman, R., Computational Linguistics: An introduction, Cambridge University Press, 1986.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-4: Web Application Development for Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Web Application Development for Sanskrit	04	3	1	0	Semester II Passed	Basic knowledge of Computer and Sanskrit

Learning Objectives

This course is intended to familiaries the students with the modern technology of web publishing, web page development in Sanskrit and other Indian languages.

Learning outcomes

The course-level learning outcomes that a student of this course is required to demonstrate are indicated below:

- Learn the basic concepts of web page development.
- Learn the basic concepts about HTML, CSS and Java Scripts.
- Learn the basic concepts of Typing tools in Devanagari Unicode.

Detailed Syllabus

Unit I   12Hrs

Brief Introduction to Web Applications for Sanskrit

Front End
Web Server
Back End

Unit II   12Hrs

Front End and Back End development in Sanskrit
Basics of Hyper Text Markup Language (HTML)
Basics of Cascading Style Sheets (CSS)
Basics of Data storage (files)

Basics of Data Bases

Unit III   **09Hrs**

Web Servers

    Basics Java-Scripts (JS)
    Basics of Python

Unit IV   **12Hrs**

Typing Tools for Unicode Devanagari (Sanskrit)

Computer program for typing
Online typing tools
Voice typing tools
Mobile Typing

Essential/recommended readings

1. Chandra Subhash (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.

2. Chandra Subhash (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-7.

3. Various e-resources and online tools suggested by teachers

Suggested readings

1. HTML Tutorial - W3Schools: https://www.w3schools.com/html/

2. CSS Tutorial - W3Schools: https://www.w3schools.com/css/default.asp

3. JS Tutorial - W3Schools: https://www.w3schools.com/js/default.asp

4. Python Tutorial- W3Schools: https://www.w3schools.com/python/default.asp

5. SQL Tutorial- W3Schools: https://www.w3schools.com/sql/default.asp

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

SEMESTER IV

DSE-5: Environmental Awareness in Sanskrit Literature

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Environmental Awareness in Sanskrit Literature	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

The main objective of this course is to make the students acquainted with the basic concepts of Indian Environmental Science and salient features of environmental awareness as reflected in Vedic and Classical Sanskrit literature. The National culture of every country depends on its environmental and climatic conditions and human behaviour towards natural resources. Nature- friendly thoughts reflected in Sanskrit Literature have benefited the human race for long. Many religious practices were framed by ancient thinkers as a tool to protect nature and natural resources.

Learning outcomes

After completing this course, students will realize themselves to be a part of Nature and Nature, intern, belongs to all creatures. They will learn to be a more careful about the utilization and preservation of natural resources. This will make them better citizens of the world.

Detailed Syllabus

Unit I   **12Hrs**

Science of Environment: Definition, Scope and Modern Crises:

Modern Challenges and Crises of Environment: Global warming, Climate change, Ozone depletion, explosively increase in Pollution, Decrease in underground water label, River

pollution, Deforestation in large scale. Natural calamities such as flood, draft and earthquakes.

Environmental Consciousness in Sanskrit Literature:

Concept of 'Mother Earth' and worship of Rivers in Vedic literature; Brief survey of environmental issues such as protection and preservation of mother nature, planting trees, and water preservation techniques as propounded in the Sanskrit Literature. Buddhist and Jain concepts of ecology, protection of trees, love for animals and birds.

Unit II   **12Hrs**

Environment Awareness in Vedic Literature:

Environmental Issues and Eco-system in Vedic Literature

Divinity to Nature, Co-ordination between all natural powers of universe; Equivalent words **for Environment in** *Atharvaveda***:** '*Vṛtavṛta*' (*12.1.52*), '*Abhivarah,*ˈ*(1.32.4.), 'Avṛtaḥ*' *(10.1.30)*, '*Parivritaˈ*' *(10.8.31);* **five basic elements of universe covered by environment : Earth, Water, Light, Air, and Ether. (***Aitareya Upaniṣad 3.3)*

Three constituent elements of environment: Jala (water), *Vāyu* **(air), and** *Oṣadhi* **(plants) (***Atharvaveda***, 18.1.17).**

Natural sources of water in five forms: *rain water (Divyah),natural spring(Sravanti), wells and canals (Khanitrimah), lakes (Svayamjah) and rivers(Samudrarthah) ṛgveda***, 7.49.2***).*

Environment Preservation in Vedic Literature:

Five elementary sources of environment preservation: *Parvat* (mountain),

Soma **(water),***Vayu* **(air),** *Parjanya* **(rain) and** *Agni* **(fire) (***Atharvaveda***, 3.21.10);** Environment **Protection from Sun** (*Rgveda*,1.191.1-16, *Atharvaveda*,**2.32.1-6,** *Yajurveda***,4.4,10.6); Congenial atmosphere for the life created by the Union of herbs and plants with sun rays (***Atharvaveda,***5.28.5);Vedic concept of Ozone-layer** *Mahat ulb'*(*ṛgveda*,**10.51.1;** *Atharvaveda*,**4.2.8);** Importance of plants and animals for preservation of global ecosystem; (***Yajurveda ,***13.37); Eco friendly **environmental organism in Upaniṣads (***Bṛhadāraṇyaka Upaniṣad***, 3.9.28, Taittiriya Upaniṣad,5.101)**

Unit III   **12Hrs**

Environment Awareness in Puranas and Classical Sanskrit Literature:

Environmental Awareness and Tree plantation**:**

Planting of Trees in *Purāṇas* **as a pious activity (***Matsya Purāṇa*, 59.159;153.512 ; *Varāha Purāṇa* 172. 39), **Various medinal trees to be planted in forest by** king (*śukranīti,***4.58-62)** Plantation of new trees and preservation of old trees as royal duty of king (*Arthaśāstra,*

2.1.20); Punishments for destroying trees and plants (*Arthaśāstra*,3.19), Plantation of trees for recharging under-ground water(*Bṛhatsaṁhitā*, 54.119)

Environmental Awareness and Water management:

Various types of water canels *'Kulyā'* for irigation : canal originated from river *'Nādimatṛ mukha kulyā',* canal originated from near-by mountain *'Parvataparsva vartini kulyā',* canal originated from pond*,'Hrdasrta kulyā,* **Preservation of water resources** *'Vāpi –kūpa – taḍāga'* **(***Agnipuraṇas***,209-2;***V.Ramayana***,2.80.10-11); Water Harvesting system in** *Arthaśāstra* **(2.1.20-21); Underground Water Hydrology in Bṛhatsaṁhitā (Dakāgalādhyāya, chapter-54);**

Unit IV   09Hrs

Universal Environmental Issues in the Literature of Kalidasa:

Eight elements of **Environment and concept of '*Aṣṭamūrti*' Siva (*Abhijñānaśākuntalam*); Preservation of forest,water resources, natural resources; protection of animals, birds and plant in Kalidasa's works, Environmental** awareness **in** *Abhijñānaśākuntalam* Drama, **Eco- system of** indian monsoon in *Meghdūt*, **Seasonal weather conditions of Indian sub-continent in** *ṛtusamhara,* **Himalayan ecology** *in Kumārasaṁbhava,* **Oceanography in** *Raghuvaṁśa* **(canto-13).**

Essential/recommended readings

1. कौटिलीय अर्थशास्त्र –हिन्दी अनुवाद –उदयवीर शास्त्री, मेहरचन्द लछमनदास, दिल्ली,1968.

2. बृहत्संहिता– वराहमिहिर विरचित, हिन्दी अनुवाद– बलदेव प्रसाद मिश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुम्बई.

3. यजुर्वेद– हिन्दी अनुवाद सहित, सातवलेकर, श्रीपाद दामोदर, पारडी

4. शुक्रनीति – हिन्दी अनुवाद, ब्रह्मशंकर मिश्र, चौखम्बा संस्कृत सीरीज, वाराणसी, 968.

5. श्रीमद्वाल्मीकिरामायण – हिन्दी अनुवाद सहित, (सम्पा०) जानकी नाथ शर्मा, (1 –2 भाग) गीताप्रेस, गोरखपुर.

6. ठाकुर, आद्यादत्त– वेदों में भारतीय संस्कृति, हिन्दी समिति, लखनऊ,1967.

7. तिवारी, मोहन चन्द –अष्टाचक्रा अयोध्याः इतिहास और परम्परा,उत्तरायण प्रकाशन,दिल्ली, 2006.

8. विघालंकार, सत्यकेतु – प्राचीन भारतीय शासनव्यवस्था और राजशास्त्र, सरस्वती सदन, मसूरी, 1968.

9. सहायक्चशिवस्वरूपक्च प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली, 2012 कौटिलीय अर्थशास्त्र –हिन्दी अनुवाद –उदयवीर शास्त्री, मेहरचन्द लछमनदास, दिल्ली,1968.

10. बृहत्संहिता– वराहमिहिर विरचित, हिन्दी अनुवाद– बलदेव प्रसाद मिश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुम्बई.

11. यजुर्वेद– हिन्दी अनुवाद सहित, सातवलेकर, श्रीपाद दामोदर, पारडी

12. शुक्रनीति – हिन्दी अनुवाद, ब्रह्मशंकर मिश्र, चौखम्बा संस्कृत सीरीज, वाराणसी, 968.

13. श्रीमद्वाल्मीकिरामायण – हिन्दी अनुवाद सहित, (सम्पा०) जानकी नाथ शर्मा, (1 –2 भाग) गीताप्रेस, गोरखपुर.

14. ठाकुर, आघादत्त– वेदों में भारतीय संस्कृति, हिन्दी समिति, लखनऊ,1967.

15. विद्यालंकार, सत्यकेतु – प्राचीन भारतीय शासनव्यवस्था और राजशास्त्र, सरस्वती सदन, मसूरी, 1968.

16. सहायक्चशिवस्वरूपक्च प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली, 2012

17. अग्निपुराण - हिंदी अनुवाद तारिणीश झा एवं घनश्याम त्रिपाठी, हिंदी साहित्य सम्मलेन, इलाहाबाद, 1998

18. ईशोपनिषद - गीता प्रेस, गोरखपुर संस्करण

19. तैत्तिरीयोपनिषद - ईशादिद्शोपनिषद, दिल्ली, 1964

20. बृहदारण्यकोपनिषद - (108 उपनिषद) ज्ञानखंड, सम्या० श्री एम. शर्मा, शांति कुंज, हरिद्वार, 1997

21. ऐतरेयोपनिषद - (108 उपनिषद) ज्ञानखंड, सम्या० श्री एम. शर्मा, शांति कुंज, हरिद्वार, 1997

22. मत्स्यपुराण - आनंदाश्रय संस्कृत सीरीज, पूजा, 1907

23. ओझा, डी.डी., विज्ञान और वेद, साइंटिफिक पब्लिशर्स, जोधपुर, 2005

24. द्विवेदी, कपिल देव, वेदों में विज्ञान, विख्याति अनुसंधान परिषद्, यदोई 2004

25. पंडा, पी. के. , कालिदास का साहित्य आधुनिक परिप्रेक्ष्य में, विद्यानिधि प्रकाशन, दिल्ली - 2009

26. सेमवाल, श्री कृष्णा (सम्या०), 'संस्कृत वाड्मये कृषि विज्ञानम्' दिल्ली संस्कृत अकादमी, 2006

27. *Arthashastra of Kautilya*—(ed.) *Kangale, R.P. Delhi, Motilal Banarasidas 1965*

28. Atharvaveda samhita.(2 Vols — (Trans.) R.T.H. Griffith, Banaras 1968.

29. Ramayana of Valmaki (3 Vols)— (Eng. Tr.) H.P. Shastri, London, 1952-59.

30. **Rgveda samhita (6 Vols)— (Eng. Tr.) H.H. Wilson, Bangalore, 1946**

31. Bhandarkar, RG— *Vaishnavism, Saivism and Minor Religious Systems*, Indological Book House, Varanasi, 1965

32. **Das Gupta, SP— *Environmental Issues for the 21st Century*, Amittal Publications, New Delhi, 2003**

33. **Dwivedi, OP, Tiwari BH — *Environmental Crisis and Hindu Religion,* Gitanjali Publishing House, New Delhi,1987**

34. **Dwivedi, OP — *The Essence of the Vedas,* Visva Bharati Research Institute, Gyanpur, Varanasi ,1990**

35. **Pandya, SmtaP. — *Ecological Renditions in the Scriptures of Hinduism – I* (article) *Bulletin* of *the Ramakrishna Mission Institute of Culture.***

36. **Kiostermair, Klaus—*Ecology and Religion: Christian and Hindu Paradigms* (article) *Journal of Hindu-Christian Studies,* Butler university Libraries, Vol.6,1993**

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-6: Art of Balanced Living

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Art of Balanced Living	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course aims at getting the students acquainted with the Art of living as found in Sanskrit literature . It also intends to make the students work on human resource management for being more effective and productive in day to day life situations.

Learning outcomes

After the completion of this course, the learners will be well informed about the various concepts, components and issues propounded by the philosophical and religious literature in Sanskrit

Detailed Syllabus

Unit I   **12Hrs**

Method of Self-presentation: Hearing (śravaṇa), Reflection (manana) & meditation (nididhyāsana) - (Bṛhadāraṇyakopaniṣad, 2.4.5) and Vedantasara

Concentration: Concept of Yoga: (Yogasūtra, 1.2); Restriction of fluctuations by practice (abhyāsa) and passionlessness (vairāgya) :(Yogasūtra, 1.12-16)

Unit II   **09Hrs**

Eight aids to Yoga (aṣṭāṅgayoga): (Yogasūtra - 2.29, 30, 32, 46, 49, 50; 3.1-4).

Yoga of action (kriyāyoga): (Yogasūtra, 2.1)

Four distinct means of mental purity (cittaprasādana) leading to oneness: (Yogasūtra - 1.33)

Unit III   **09Hrs**

Refinement of Behaviour: Means of improving behaviour:

Jñāna-yoga – Gita Ch. II – 14,15,16,19, Ch XIII- 11,12,14,15,16,19,20,21,23,29,31,32

dhyāna-yoga – VI – 24 to 27, 30, 32,

Unit IV   **15Hrs**

Bhakti-yoga – Gita Ch. IX – 17,22,23,27,29,34 ; Ch XI – 10,11,12, 13; Ch. - XII – 4, 6 to 12, 20 Karma : A natural impulse, essentials for life journey, harmony with the universe, an ideal duty and a metaphysical dictate - Gītā, Ch. – III 5, 8, 10-16, 20 & 21

Essential/recommended readings

1. वेदान्तसार: राममूर्ति शर्मा नैशनल पब्लिशिंग हाउस दिल्ली ।

2. पातञ्जल योग दर्शन: सुरेश चन्द्र श्रीवास्तव, चौखंबा सुरभारती प्रकाशन, वाराणसी 2008.

3. भगवद्गीता : गीताप्रैस, गोरखपुर

4. उपनिषद रहस्य, एकादश उपनिषद, महात्मा नारायण स्वामी, गोविन्द राम हासानन्द, दिल्ली

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-7: Introduction to Ancient Indian Scripts

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Ancient Indian Scripts	04	3	1	0	XII Passed	Working Knowledge of Sanskrit

Learning Objectives

This course provides an introduction to the history, evolution, and usage of ancient Indian scripts. Students will explore the various scripts used in ancient India, including Brahmi, Kharosthi, and Devanagari, and will learn about the cultural, social, and religious significance of these scripts. The course will also cover the techniques used in the creation of ancient Indian manuscripts and the methods of preservation.

Learning Outcomes

Upon completion of this course, students will be able to:
Understand the history and evolution of ancient
Indian scripts Identify and describe the various
scripts used in ancient India
Analyze the cultural and religious significance of ancient Indian
scripts Understand the techniques used in the creation of ancient
Indian manuscripts Learn about the methods of preservation used to
protect ancient Indian scripts Develop an understanding of the
connection between language and script

Detailed Syllabus

Unit I   12 hrs
Introduction to Ancient Indian Scripts
Definition and significance of scripts
Historical overview of Indian scripts
Importance of scripts in Indian culture and society
Major Ancient Indian Scripts

Unit I   12 hrs
Brahmi Script
Brahmi script and its evolution
Introduction to the Brahmi script
Writing system and pronunciation

Basic reading and writing exercises
Kharosthi Script and its Usage
Introduction to Kharosthi script
Historical context and usage of Kharosthi script

Unit III   9 hrs

Introduction to Gupta script
Characteristics and evolution of
Gupta script Basic reading and
writing exercises Comparison
with Brahmi and Kharosthi script

Unit IV   12 hrs

A. **Techniques used in the creation of Ancient Indian Manuscripts**
Introduction to ancient Indian
manuscripts Techniques used in
manuscript creation Preservation
techniques

B. **Social and Cultural Significance of Ancient Indian Scripts**

Significance of ancient Indian scripts in social and cultural
contexts Analysis of manuscripts and scripts in different
periods up to 8th century AD

Essential/recommended readings

1. Buhler, G, On the origin of the Indian alphabet & numerals.
2. Dani, A. H, Indian Paleography
3. Dhavalikar, M.K. Indian Palaeography. Munshiram Manoharlal Publishers, 2006.
4. Ojha, G. H, Bharatiya Praćina Lipimāla (Hindi)
5. Pandey, R.B, Asoka ke Abhilekha (Hindi), Bharatiya Puralipi (Hindi)
6. Parpola, Asko. Deciphering the Indus Script. Cambridge University Press,1994
7. Rana, S.S., Bharatiya Abhilekha
8. Sircar, D.C., Indian Epigraphy, Select Inscriptions (Part - I)
9. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and the other Indo-Aryan Languages. Oxford University Press, 1998.
10. Upadhyay, V., Praćina Bharatiya Abhilekha (Hindi)
11. Thapar, Romila, Asoka tatha Maurya Samrajya Ka Patana (Hindi)

**Examination scheme and mode: Subject to directions from the
Examination Branch/University of Delhi from time to time**

DSE-8: Computer Applications for Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Computer Applications for Sanskrit	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

This course will introduce the current researches and developments in Sanskrit computing. The primary emphasis will be on tools and techniques developed under government and private funding and on exploring new technologies for Sanskrit.

Learning outcomes

The students will get an overview of computational works undertaken in the field of Sanskrit and a clear idea about how a range of practical linguistic tasks of Sanskrit can be done by developing CL systems. And, they will also know how CL tools can facilitate the learning and teaching process in the field of Sanskrit.

Detailed Syllabus

Unit I   **12 hrs**
Interactive Sanskrit Teaching Learning Tools
    Introduction to Interactive Sanskrit Learning Tools, Why Interactive Tools for Sanskrit? E-learning, Basics of Multimedia, Web-based tools development, HTML, Web page, etc., Tools and Techniques

Unit II   **09 hrs**
Standard for Indian Languages (Unicode)
    Unicode Typing in Devanagari Scripts, Typing Tools and Software

Unit III   **12 hrs**
    Text Processing and Preservation Tools
    Text Processing, Preservation Techniques, Text Processing, and Preservation, Tools, and Techniques, Survey

Unit IV   **12 hrs**
Optical Character Reader
    Optical Character Reader (OCR), Applications of OCR for Sanskrit and Indian Languages, Tool and Techniques, Survey

Essential/recommended readings

1. Teacher's notes, ppt, and handout
2. Bharti A., R. Sangal, V. Chaitanya, "NL, Complexity Theory and Logic" in Foundations of Software Technology and Theoretical Computer Science, Springer, 1990.
3. E-Content suggested by Teacher
4. Tools developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi, Delhi-110007 available at: http://sanskrit.du.ac.in
5. Basic concept and issues of multimedia: http://www.newagepublishers.com/samplechapter/001697.pdf
6. Content creation and E-learning in Indian languages: a model: http://eprints.rclis.org/7189/1/vijayakumarjk_01.pdf
7. HTML Tutorial - W3Schools: www.w3schools.com/html
8. The Unicode Consortium: http://unicode.org/.

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SEMESTER V

DSE-09: Lexicographical Tradition in Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	**Tutorial**	**Practical/ Practice**		
Lexicographical Tradition in Sanskrit	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives
This course will introduce the theories of writing dictionaries in Sanskrit and its traditions.

Learning outcomes
After doing this course, students will learn the rich lexicographical tradition of Sanskrit field and they will get an outlook of the traditional and modern works in this field which will work as a great source of research tools for their future research endeavors.

Detailed Syllabus

Unit I   12 hrs
Introduction to Sanskrit Lexicography
    Origin and Development
    Brief Introduction to Major Lexicons
    Types of Dictionaries

Unit II   12 hrs
Tradition of Sanskrit Lexicons
    Early Sanskrit Lexicography:
        Saravanukarmani, Nighaṇṭu and Nirukta
        Dhātupāṭha, Gaṇapāṭha and Word lists in Śikṣās, Prātiśākhyas

Unit III   12 hrs
Classical Sanskrit Lexicons
    Vācaspatyam:
        Textual organisation, Commentaries, Translations and Digitized works
    Śabdakalpadruma:
      Textual organisation, Commentaries, Translations and Digitized works
    Halāyudhakośa:

Textual organisation, Commentaries, Translations, and Digitized works
Amarakośa:
     Textual organisation, Commentaries, Translations, and Digitized works
Mankhakośa:
     Textual organisation, Commentaries, Translations and Digitized works
 Medinīkośa:
     Textual organisation, Commentaries, Translations and Digitized works

Unit IV   **09 hrs**
Modern Sanskrit Lexicographers
     Monier William, Apte, Acharya Vishbandhu, Jainendra Siddhantakosha, Nyayakosha, M. Bloom Field

Essential/recommended readings

 Amarakosha compiled by B.L.Rice, edited by N.Balasubramanya, 1970, page

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-10: Introduction to Sanskrit Poetics

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Sanskrit Poetics	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives

This course on an introduction to Sanskrit Poetics aims at providing the students with the knowledge of fundamental principles of Sanskrit Poetics in the Indian tradition on the basis of Kāvyaprakāśa and Sahityadarpana.

Learning outcomes

This course will make students aware of the fundamental principles of Sanskrit Poetics. They will be able to recognize the various genres of Sanskrit Poetics, appreciate the objectives of Sanskrit Poetics, and also analyze the structure of a work in terms of the essential ingredients of Sanskrit Poetics as propounded.

Detailed Syllabus

Unit I   **09 hrs**
Kāvya-Prayojana (objectives of poetry)
    Kāvya-Prayojana (objectives of poetry) based on Bhāmaha and Mammaṭa.

Unit II   **12 hrs**
Kāvya-Hetu (causes of poetry)
    Kāvya-Hetu (causes) of poetry based on Daṇḍī, Mammaṭa and Paṇḍitarāja Jagannātha.

Unit III   **12 hrs**
Kāvya- Lakṣaṇa (definition)
    Kāvya-Lakṣaṇa (definition) based on Bhāmaha, Daṇḍī, Kuntaka, Mammaṭa and Vishvanath.

Unit IV   **12 hrs**
Figures of speech (Alaṅkāra)
    Figures of speech based on Candrāloka -
        Definition of Alaṅkāra, Anuprāsa, Yamaka, Upamā, Rūpaka, Utprekṣā,
        Bhrānti, Sandeha, Kāvyaliṅga, Śleṣa, Aprastutapraśaṁsā, Arthāntaranyāsa,
        Vibhāvanā and Viśeṣokti,

Essential/recommended readings

1. Kāvyālaṅkāra - Bhāmaha, Bhāṣyakāra, Devendra Nath Sharma, Bihaar rāṣṭrabhāṣā pariṣad, Patna, 1962.
2. Kāvyaprakāśa - Mammaṭa, Srinivas Shastri, Sahitya Bhandara Meerut.
3. Kāvyādarśa - Daṇḍī, Ramchandra Mishra, Chaukhamba Vidyabhavan, Varanasi.
4. Rasagaṅgādhara - Paṇḍitarāja Jagannātha, Chaukhamba Vidyabhavan, Varanasi
5. Vakroktijīvitam (1st Unmeṣa) – Kuntaka, Ved Prakash Dindoriya, Shivalik Prakashan, Delhi.
6. Sāhityadarpaṇa – Viśvanātha, Nirupan Vidyalankar, Sahitya Bhandara Meerut
7. Candrāloka – Jayadeva, Subodha Chandra Pant, MLBD, Delhi.

Additional Resources:

1. बलदेव उपाध्याय, संस्कृत—आलोचना, हिन्दी समिति, सूचना विभाग, उ. प्र., 1963.
2. Kane P.V., *History of Sanskrit Poetics* pp.352-991,
3. Kane, P.V., 1961, *History of Sanskrit Poetics* and its Hindi translation by Indrachandra Shastri, Motilal Banarasidas, Delhi.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-11: Phonetics in Sanskrit Tradition

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Phonetics in Sanskrit Tradition	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives
The main objective of this course is to introduce basic concepts of phonetics in Sanskrit. This course aims at acquainting students with the mechanisms of speech production and to train them to perceive, identify and transcribe speech sounds. To make aware the students to phonetics in Indian tradition.

Learning outcomes
After completing this course the students will learn the basics of Sanskrit Phonetics. They will get acquainted with the sound systems, and the speech production mechanism of Sanskrit. They will also learn the traditional Sanskrit theories and principles of Phonetics.

Detailed Syllabus

Unit I   12 hrs
Brief Introduction to Phonetics
    Definition of Phonetics
    Origin and Development
    Indian Phonetic traditions
    Types of Phonetics

Unit II   09 hrs
General Introduction to Pratishakyas and Paniniya Shiksha

Unit III   12 hrs
Introduction to Paniniya Shiksha (Vriddhapaatha)
    Sthana-prakarna
    Karana-prakarna
    Antahprayatna-prakrana
    Bahyaprayatna-prakrana
    Sthanapeedana-prakrana
    Vrittikars-prakrana
    Prakrama—prakrana
    Nabhitala-prakrana

Unit IV   **12 hrs**
Introduction to Paniniya Shiksha (Shlokatika)
          Paniniya Shiksha (Shlokatika)
          Based on Shloks 1-22

Essential/recommended readings

1. Paniniya Shiksha- Somlekha, Chaukhamba Sanskrit Pratishthan, Delhi, 2014
2. पाणिनीयशिक्षा, शिवराज आचार्य कौंडिण्न्यायन, CHAUKHAMBHA VIDYA BHAWAN, 2012

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-12: Ancient Indian Robotics

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Ancient Indian Robotics	**04**	**3**	**1**	**0**	**Twelfth Passed**	**Working Knowledge of Sanskrit**

Learning Objectives

Ancient Indian Robotics is a comprehensive course that delves into the rich history of robotics in ancient India. The course explores the fascinating world of ancient Indian engineering and automaton technology, shedding light on the remarkable achievements and advancements made by ancient Indian civilizations in the field of robotics. Students will study the principles, designs, and mechanisms of ancient Indian robots, and gain insights into the cultural, social, and scientific contexts that influenced their development. Through a combination of lectures, discussions, and hands-on activities, students will develop a deep understanding of ancient Indian Robotics and its relevance to contemporary technology.

Learning outcomes

After completion of this course, students will be able to
- Explore the historical and cultural background of ancient India and its contributions to the field of robotics.
- Study the principles, designs, and mechanisms of ancient Indian robots.
- Examine the cultural, social, and scientific contexts that influenced the development of ancient Indian Robotics.
- Analyze the impact of ancient Indian Robotics on contemporary technology.
- Foster critical thinking, research skills, and the ability to draw connections between historical developments and present-day technology.

Detailed Syllabus
Unit: I
Historical Background
Introduction to ancient Indian civilization and its technological advancements
Discussion on the significance of studying ancient Indian Robotics in the context of contemporary technology
Examination of ancient Indian texts and scriptures mentioning robots and automata
Exploration of ancient Indian scientific traditions relevant to Robotics

Unit: II
Types of Ancient Indian Robots

Study of various types of ancient Indian robots, such as humanoid robots, animal-shaped robots, and mechanical devices

Analysis of their designs, mechanisms, and functions

Case studies of notable ancient Indian robots, such as the Yantra Sarvasva.

Exploration of religious and mythological beliefs related to robots in ancient Indian society.

Unit: III

Scientific and Mathematical Foundations

Study of scientific concepts/knowledge utilized in ancient Indian Robotics.

Examination of the instruments developed by ancient Indian scientists

Unit: IV
Samarangan-sutrdhar

Verse 101-107, Chapter 31 (हृग्ग्रीवातल ,योगतस्ते गुणानाम् -Ed. T. Ganpati Shastri)

Essential/recommended readings

1. **SamranganSutradhar** by <u>Shukla, Dr.dijendranath</u>, भारत भारती प्रेस, 1 अन्सारी रोड दरयागंज दिल्ली-6 1965
2. **SamranganSutradhar** S.K.Jugnu. ISBN: 9788170803676. 2011. Publisher: Chaukhamba Sanskrit Series.
3. **मयमतम्,** डॉ ॰ श्रीमती शैलजा पाण्डेय, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2007
4. **History of Mechanical Inventions in Ancient India** by Debiprasad Chattopadhyaya FIRMA KLM PRIVATE LIMITED 257-B, B. B. Ganguly Street Calcutta 700 012 INDIA
5. **Ancient India and the Indian Robotics** by Jayant Vishnu Narlikar
6. **The Wonder That Was India** by A.L. Basham
7. **Indian Scientific Heritage: An Introduction** by P.R. Sarkar
8. **Indian Civilization and Culture** by S.N. Sadasivan

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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SEMESTER VI

DSE-13: Basic Principles of Pāṇinian Grammar

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Basic Principles of Pāṇinian Grammar	04	3	1	0	Nil	Nil

Learning Objectives
This course introduces the basics of Pāṇinian grammar. It provides information related to the grammar written by Pāṇini. The core concept of Paninian grammar will be introduced. The main aim of this course is to introduce the structure of Ashtadhyayi and richness of the Indian linguistic tradition for those who are not Sanskrit scholars but are curious to know about the scientific literature in Sanskrit.

Learning outcomes
The students will get an overview of the Paninian grammar. Within the field of Sanskrit studies, the field of vyākaraṇa (grammar) is said to be the core foundation upon which everything else is built. It will be a deep exploration of the study of grammar starting from absolute scratch. Students will be able to learn how to study Paninian Grammar.

Detailed Syllabus

Unit I
Introduction to Ashtadhyayai
      Introduction to Pāṇini
      General information of his grammar
      Current Pāṇinian tradition
      Structure of the Ashtadhyayi
      The Phonemic Components: Alphabest (Mahashwara Sutra)
      Pratyaharas
Unit II
Core Concept of Ashtadhyayi
      Types of Sutras
      The concept of Anuvritti, Adhikara, Samjna

Decoding the meaning of the sutras
Technical Terms of Panini

Unit III
Core Concept of Ashtadhyayi

Decoding the meaning of the sutras
Role of Various types of Sutras
Utsarga and Apavada
Brief Introduction to Sanskrit Suffixes: Sup, Tin, Krit, Taddhita

Unit IV

Databases of Panini
Sutrapatha
Dhatupatha:
Classification Dhatus: Gana (10), Pada (3), Idagama (3), karma, ac numbers, anubandha, aadivarna, antyavarna, upadhavarba
Brief Introduction to Dhatus, Lakar
Ganapatha

Essential/recommended readings

1. The Aṣṭādhyāyī Sūtrapāṭha of Panini, with Vārtikas, Gaṇa, Dhātupāṭha, Pāṇinīya-śikṣā and Paribhāṣāpāṭha, second edition, edited by C. Sankara Rama Shastri, printed and published by The Shri Bala Manorama Press, Mylapore, Madras, 1937.

2. The Aṣṭādhyāyī of Pāṇini, translated into English by Shrish Chandra Vasu, first published in 1891, reprinted by Motilal Benarsidass, Delhi, 1962.

3. The Ashtadhyayi of Panini. Vol. 6. Satyajnan Chaterji, 1897.

4. Pawate, Ishtalingappa Siddharamappa. The structure of the Ashtadhyayi. Amar Prakashan, 1987.

5. Mahalakshmi, A. Soumya, and Minal Moharir. "Ashtadhyayi—An Experimental Approach to Enhance Programming Languages and Compiler Design Using." *Recent Findings in Intelligent Computing Techniques: Proceedings of the 5th ICACNI 2017, Volume 3* 709 (2018): 3.

6. Subbanna, Sridhar, and Shrinivasa Varakhedi. "Computational structure of the Ashtadhyayi and conflict resolution techniques." *Sanskrit Computational Linguistics* (2009): 56-65.

7. Dr. Naresh Jha, Ashtadhyayi of Panini (Sanskrit With Hindi Text), 2014, Chaukhamba Surbharati Prakashan.

8. Jha, Girish N. "The system of Panini." *Language in India* 4.2 (2004).

9. Sharma, R. N. "Astadhyayi of Panini. Vol. 1-2. N." *Delhi. Voloshina, OA 2019a:[Types of Sutra Rules in the Grammar of Panini]. Indoevropeiskoe yazykoznanie i klassicheskaya filologiya [Indo-European linguistics and classical philology]* 23 (2000): 170-177.

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-14: Introduction to Ancient Indian Mathematics

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Ancient Indian Mathematics	04	3	1	0	Twelfth Passed	Working Knowledge of Sanskrit

Learning Objectives

This course provides an in-depth exploration of the rich heritage of ancient Indian mathematics, covering various mathematical concepts, techniques, and achievements that emerged in the Indian subcontinent over centuries. Students will delve into the works of renowned mathematicians such as Aryabhata, Brahmagupta, and Bhaskara, among others. The course aims to highlight the significant contributions of ancient Indian mathematics to various branches of mathematics and its influence on contemporary mathematical thought.

Learning outcomes

By the end of this course, students will be able to:
1. Understand the historical and cultural context of ancient Indian mathematics.
2. Familiarize themselves with the fundamental mathematical concepts and techniques developed by ancient Indian mathematicians.
3. Analyze and interpret ancient Indian mathematical texts.
4. Recognize the contributions of ancient Indian mathematics to modern mathematical fields.
5. Appreciate the interconnectedness of ancient Indian mathematics with other areas of knowledge, including astronomy, philosophy, and linguistics.

Detailed Syllabus

Unit: I

Introduction to Ancient Indian Mathematics
Overview of ancient Indian mathematical traditions
Significance of ancient Indian mathematics in global mathematical history
Major mathematical works and their authors

Unit: II
Life and works of Aryabhata, Brahmagupta, Baskaracharya

Unit: III
Contribution of Aryabhata, Brahmagupta, Baskaracharya

Unit: IV
Some Essentials of ancient Mathematics

Decimal place value system and its origins

Numerical notations and symbols used in ancient Indian mathematics

Basic arithmetic operations (addition, subtraction, multiplication, division) in ancient Indian mathematics

Geometrical concepts and constructions in ancient Indian mathematics

Connection between astronomy and mathematics in ancient India

Essential/recommended readings

1. "Sulba Sutras" - These ancient texts, composed between 800 BCE and 200 BCE, present mathematical techniques for constructing altars and fire pits used in Vedic rituals. They contain geometric and algebraic methods, including the Pythagorean theorem.

2. "Aryabhatiya" by Aryabhata - Written in the 5th century CE, this work is a foundational text of Indian mathematics. It covers various mathematical topics, including arithmetic, algebra, trigonometry, and astronomy. It introduces the concept of zero and provides an approximation for the value of pi.

3. "Brahmasphutasiddhanta" by Brahmagupta - Composed in the 7th century CE, this treatise covers topics such as arithmetic, algebra, geometry, and astronomy. It introduces negative numbers and presents solutions to quadratic equations.

4. "Lilavati" by Bhaskara II - This 12th-century CE work focuses on arithmetic and algebra. It contains a wide range of mathematical problems and their solutions, along with geometric and combinatorial techniques.

5. "Ganita Sara Sangraha" by Mahaviracharya - Written in the 9th century CE, this treatise provides a comprehensive overview of arithmetic and algebra. It covers topics such as number theory, fractions, series, and solutions to linear and quadratic equations"Yuktibhasa" by Jyesthadeva - Composed in the 16th century CE, this work explores advanced topics in algebra and calculus. It introduces the Kerala school's method of calculating with infinite series and provides a comprehensive understanding of calculus in ancient India.

6. "Siddhanta Shiromani" by Bhaskara II - This monumental work, written in the 12th century CE, comprises four parts: Lilavati, Bijaganita, Grahaganita, and Goladhyaya. It covers arithmetic, algebra, geometry, and astronomy, offering insights into advanced mathematical concepts and calculations.

7. "Vedic Mathematics" by Bharati Krishna Tirtha - This modern compilation, published in the 20th century, presents the mathematical principles found in the Vedas. It provides techniques for mental calculations, quick multiplication, division, and square roots, highlighting the mathematical wisdom of ancient India.

Reference readings

1. "Mathematics in Ancient India" by T.K. Puttaswamy and S.K. Rangaswami - This comprehensive book explores the development of mathematics in ancient India, covering various mathematical concepts, techniques, and contributions by Indian mathematicians.

2. "A Source Book in Indian Mathematics" edited by K. Sarma - This anthology brings together translations of key texts in ancient Indian mathematics, providing direct access to original sources and mathematical concepts developed in the Indian subcontinent.

3. "The History of Hindu Mathematics: A Sourcebook" by Bibhutibhusan Datta and Avadhesh Narayan Singh - This book presents an in-depth examination of mathematical ideas and techniques from ancient Indian texts, including arithmetic, algebra, geometry, and astronomy.

4. "Mathematics in India" by Kim Plofker - Offering a scholarly analysis of Indian mathematical traditions, this book covers topics such as number systems, arithmetic, algebra, geometry, and trigonometry, with a focus on historical context and cultural influences.
5. "Indian Mathematics: Engaging with the World from Ancient to Modern Times" edited by Agathe Keller, Clemency Montelle, and Christine Proust - This collection of essays explores various aspects of Indian mathematics, from its ancient roots to contemporary developments, including contributions to astronomy, linguistics, and philosophical thought.
6. "History of Ancient Indian Mathematics" by C. N. Srinivasiengar - This book provides a historical overview of ancient Indian mathematics, tracing its evolution from the Indus Valley Civilization to the medieval period, highlighting the contributions of notable mathematicians and the impact on subsequent mathematical developments

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-15: Basic Skills for Research Paper and Dissertation

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Basic Skills for Research Paper and Dissertation Writing	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives
This course will introduce the basic methods and skills to write a research dissertation and paper.

Learning outcomes
The students will learn the basics of writing research dissertations or papers and they will acquire the skills needed for the same. They will get a clear idea about the standards to be followed and techniques to be used for their research writings.

Detailed Syllabus

Unit I   12 hrs
Theoretical concept of Research
    Introduction, Objectives and Types of Research
    Outline of Research Work
    Topic Selection and Writing Methods
    Material Collection: Primary and Secondary
    E-Recourses and Research Tools

Unit II   09 hrs
Dissertation/Paper Editing Tools
    Typing tools for Unicode Devanagari
    Editing Tools: Microsoft Word and Google Docs

Unit III   12 hrs
Basics of Research Paper Writing
    Topic Selection
    Review of Literature
    Drafting the body
    Revision/Editing

Major Components of a Research Papers

Abstract, Keywords, Background and Introduction, Review of Literatures, Objective, Material (data) and methodology, result and discussions, conclusions, finding, future direction of research, acknowledgement, references

Unit IV   **12 hrs**
Dissertation Writing Skill

Overview of the dissertation

Major steps: Proposal, Dissertation Writing, Editing/Review,

Presentation and Submission

Essential Elements of Research Proposal:

Research topic selection

A brief description of the proposed thesis

Preliminary outline of the proposed research

Survey

Reference list

Structure of Dissertation

Title Page

Acknowledgement

Abstract

Table of Contents

List of figures

List of Tables

List of Appendixes

Dissertation Chapters

References Lists

Essential/recommended readings

1. Teacher's notes, ppt, and handout
2. http://www.makeuseof.com/tag/5-powerpoint-tips-improve-presentation-skills-overnight/
3. https://www.slideshare.net/subagini/effective-presentation-skills-28512891
4. http://www.free-power-point-templates.com/articles/18-tips-to-improve-presentation-skills/
5. Yelikar, 2009, Essentials of Research Methodology & Dissertation Writing ((Fogsi), Jaypee Brothers Medical Publishers.

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-16: Research Methodology for Sanskrit Studies

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	**Tutorial**	**Practical/ Practice**		
Research Methodology for Sanskrit Studies	04	3	1	0	12th Passed	Working Knowledge of Sanskrit

Learning Objectives
This course will introduce the basics of research methodology and the methodologies followed in the research field of Arts or Sanskrit. The primary emphasis will be on the study of research methods applicable to undertaking research in Sanskrit.

Learning outcomes
After completing this course the students will get an overview of the various research methodologies. They will be able to understand the specific procedures or techniques to be used to identify, select, process, and analyze information about a research topic.

Detailed Syllabus

Unit I 12 hrs
Theoretical concept of Research
    Introduction, Objectives, and Types of Research
    Outline of Research Work
    Research Methodologies
    Topic Selection and Writing Methods
    Material Collection: Primary and Secondary
    E-Recourses and Research Tools

Unit II 12 hrs
Literature Review
    Brief Introduction of Survey
    Techniques/Methods of Survey
    Tools and Techniques of Survey
    Step of the Survey

Unit III 12 hrs

Referencing

What is Referencing?

Step of Referencing

How to make references?

Citation and Citation in Text, Various patterns of Citation in Text and Sample

Various Software for Referencing

Components of referencing, Book, Dictionary, Journal, Conference, News Paper, Magazine, Report, Government Publications, Thesis, Dissertation, Web pages, Internet Resources, Personal Communications (Written, oral and email), Lectures, Video, DVD, Films, etc.)

Introduction of Various Style Sheets of Referencing.

Detail Introduction of the above Style for Sanskrit.

Creation Methods of Reference List and Samples.

Unit IV   **09 hrs**
Transliteration

Transliteration Schemes

International Alphabet of Sanskrit Transliteration (IAST)

Indian languages Transliteration (ITRANS)

Introduction to available computational tools for converting

Devanagari Texts to IAST and TTRANS.

Essential/recommended readings

1. Teacher's notes, ppt, and handouts
2. http://www.makeuseof.com/tag/5-powerpoint-tips-improve-presentation-skills-overnight/
3. https://www.slideshare.net/subagini/effective-presentation-skills-28512891
4. http://www.free-power-point-templates.com/articles/18-tips-to-improve-presentation-skills/
5. Yelikar, 2009, Essentials of Research Methodology & Dissertation Writing ((Fogsi), Jaypee Brothers Medical Publishers.

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

UNIVERSITY OF DELHI
DEPARTMENT of SANSKRIT
COURSE NAME: B.A. (Hons.) SANSKRIT
(GENERIC ELECTIVE)

Common Pool of Generic Elective

Based on
Undergraduate Curriculum Framework 2022 (UGCF)
(Effective from Academic Year 2022-23)

University of Delhi

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

GE-1: Basic Sanskrit

Max. Marks: (75+25= 100)   **Total Credits: 04**

[A] Course Objectives:

This is an elementary course in Sanskrit language designed for students who wish to learn Sanskrit from the very beginning. Essential Sanskrit grammar will be introduced (without reference to Panini's sutras) through the multiple example method with emphasis on students constructing themselves the simple Sanskrit sentences.

[B] Course Learning Outcomes:
- Students will acquire the basic and working knowledge of the Sanskrit language.
- Students will be able to communicate in simple Sanskrit.
- Students will develop an interest in Sanskrit.
- Students will be motivated to study further.

[C] Course Contents

Unit: I Grammar and Composition, Part I:
- Nominative forms of 'a' ending masculine and neuter gender nouns with paṭh, khād, likh, bhū, and other similar simple verbs in present, past and future tenses. Accusative forms of nouns in singular number with the usage of more simple verbs.
- 'ā' and ' ī' ending feminine words in nominative and accusative cases with loṭ lakāra (imperative).
- Masculine and Feminine nouns ending in 'i' and masculine nouns ending in 'u' in various cases in singular number.
- Nominative forms of pronouns- asmad, yuṣmad, tat, etat, yat, kim in masculine, feminine and neutral genders.
- Masculine nouns ending in consonants – bhavat, guṇin, ātman and Feminine nouns ending in consonants – vāk.
- Neuter nouns ending in consonants – jagat, manas.

Unit: II   Grammar and Composition, Part II
> Special Verb forms – in parasmaipada –past, present, future and imperative - kṛ, śrū
> Special Verb forms – in parasmaipada –past, present, future and imperative - jñā
> Special Verb forms – in parasmaipada –past, present, future and imperative – dā, dhā
> Special Verb forms – in ātmanepada – past, present, future and imperative – edh, sev

Unit: lll Sandhis and Pratyayas
> **Ac Sandhis:**
>> yaṇ, guṇa, dirgha, ayadi, vrddhi and pūrvarūpa
> **Hal sandhis:**
>> scutva, stutva, anunāsikatva, chhatva and jaṣtva
> **Visarga sandhis:**

satva and rutva

Unit: lV Pratyayas–

śatṛ, śānac, ktavatu, kta

ktvā, lyap, tumun

Active – passive structures only in laṭ lakāra

[D] References:
Compulsory Readings:

1. Mishra, Dr. Yadunandan, Anuvada Chandrika, Chaukhambha Orientaliya, Delhi, 2021.
2. Apte, Vaman Shivram, Students Guide to Sanskrit Composition, The Standard Publishing Company, Girgaon, Bombay, 1925.
3. Tripathi, Dr. Brahmananda, Rupa Chandrika, Chaukhamba Surbharati Prakashan, Varanasi, 2008.
4. Kridanta Rupa Mala – Srijan Jha – App. available on Google Play Store

[E] Teaching Learning Process:

1. Teachers will introduce the prescribed components of grammar with several examples.
2. Teachers will make students produce and practise with more examples.
3. Teachers will put words in phrases and sentences and repeat them in several variations.
4. Students will construct Sanskrit sentences in the class singly and collectively and exhibit them in spoken as well as written forms.
5. Teachers will provide practice sheets to the students for each section, which they will solve either in class or at home.
6. Teachers will from the very beginning, encourage students to make short and simple Sanskrit sentences and speak in Sanskrit.

[F] Weekly Plan

Week 1	- Unit 1
Week 2	- Unit 1
Week 3	- Unit 1
Week 4	- Unit 1
Week 5	- Unit 2
Week 6	- Unit 2
Week 7	- Unit 2
Week 8	- Unit 2
Week 9	- Unit 3
Week 10	- Unit 3
Week 11	- Unit 3
Week 12	- Unit 3
Week 13	- Unit 4
Week 14	- Unit 4
Week 15	- Unit 4

[G] Assessment Methods:

I. Final Examination		**75**
i.	Word formation and Forms from Unit 1	20
ii.	Word formation and Forms from Unit 2	20

iii.   Word formation and Forms from Unit 3   20
iv.   Word formation and Forms from Unit 3   15

     II. **Internal Assessment**   **25**

(Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)
Total Marks: (I+II) (75+25) = 100

[H] Keywords:

Sanskrit language, grammar, composition etc.

Department of Sanskrit
University of Delhi
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B.A. (Hons.) Under UGCF-22

GE-2: Indian Aesthetics

Max. Marks: (75+25= 100)   **Total Credits: 04**

[A] Course Objectives:

Aesthetics is a potent and important field of literary criticism. It has acquired the status and recognition of an independent academic discipline today, Aesthetics deals with the historically determined essence of human values, their creation, perception, appreciation and assimilation. It is the science and philosophy of all fine art forms. Indian perception accepts poetry, drama, music, architecture, iconography and painting as independent Art forms. The principal objective of thiscourse is to give the students an overview of the major trends of Indian Aesthetics.

[B] Course Learning Outcomes:

This course will enable students to identify the real essence behind all ideas of Beauty as propounded by Indian rhetoricians. After the completion of the course, the learner will be able to understand the Indian deliberations on aesthetic experience in the form of Rasa and its process. The participant will be able to appreciate the various artistic modes of expressions of Beauty in general and poetry in particular. The course will help the student peep into the historical evolution of the Indian science of aesthetics.

[C] Course Contents:

Unit: I
Aesthetics (Saundaryaśāstra), its nature and components

Beauty (Saundarya): its definition, nature, importance and components: vaya, rūpa, vacana, hāva, Discussion of synonyms of the term Beauty (Saundarya): ramaṇīyatā, lāvaṇya, cārutā, kānti, madhuratā, manohāritā, suṣmā, abhirāmtā

Unit: II
The process of Aesthetic experience (Rasa)
- Constituents of rasa: Bhāva (human feelings and emotions) Vibhāva (causes or determinants), Anubhāva (voluntary gestures), Sāttvika bhāva (Involuntary gestures), Vyabhicāri bhava (transitory states) and Sthāyibhāva(basic mental states), Sahṛdaya/Sāmājika (Connoisseur/Spectator). Anukārya, Anukartā, Sādhāraṇīkaraṇa (Generalization), four mental stages of rasa realization: Vikāsa (cheerfulness),

  Vistāra(exaltation), Kṣobha (agitation), Vikṣepa (perturbation).
- Number of rasas according to Bharat.

- Nature of rasa (Aesthetic experience) according to Sāhityadarpaṇa, aesthetic enjoyment – eternal bliss, the ultimate reality (ānandamayatā, alaukikatā)

Unit: III
Aesthetic elements (saundarya - tattva)

- Art as the mode of expression of Saundarya –Architecture, Sculpture and Painting and Music.
- Main aesthetic elements of literary arts (Poetry and Drama): Alaṅkāra, rīti, Dhvani, Vakrokti & Aucitya.

Unit: IV
Prominent thinkers of Indian Aesthetics and Perception of beauty in Abhijñānaśākuntalam

- Bharata, Bhāmaha, Vāmana, Ānandavardhana, Rajśekhar, Abhinavagupta, Mammaṭa,Vishvanātha, Rūpagoswamī and Paṇḍitarāja Jagannātha
- Perception of beauty in Drama from cultural, social and aesthetical point of view in thecontext of Abhijñānaśākuntalam.

[D] References:

Compulsory Reading:

1. Singh, Satyavrata, Sāhityadarpaṇa of Vishvanatha, Chaukhamba Vidyabhavan, Varanasi, 1957.
2. Kane P.V., *History of Sanskrit Poetics* pp.352-391, Motilal Banarasidas Publishers Private Limited, Delhi, 2002.
3. Pandey, Dr. Kantichandra: *Comparative Aesthetics,* vol.1 Chowkhamba Sanskrit series officeVaranasi, 1972.
4. चतुर्वेदी ब्रजमोहन , भारतीय सौन्दर्यदर्शन , मध्यप्रदेश हिन्दी ग्रन्थ अकादमी. पृ. 5-12, 22-34.
5. चतुर्वेदी ब्रजमोहन, भारतीय सौन्दर्यदर्शन, पृ. 42-60
6. पाण्डेय कान्तिचन्द्र, स्वतन्त्र कलाशास्त्र, प्रथम भाग पृ. 593-625
7. चतुर्वेदी ब्रजमोहन, भारतीय सौन्दर्यदर्शन, पृ. 37-42
8. पाण्डेय कान्तिचन्द्र, स्वतन्त्र कलाशास्त्र, प्रथम भाग पृ. 593-625, चौखम्बा प्रकाशन, 1978
9. चतुर्वेदी ब्रजमोहन, भारतीय सौन्दर्यदर्शन, पृ. 61-76

Additional Resources:
1. Gnoli, R.: *The Aesthetic Experience according to Abhinavagupta*, Chowkhamba Sanskrit series office Varanasi, 1956
2. उपाध्याय बलदेव , संस्कृत- आलोचना , हिन्दी समिति, सूचना विभाग , उ. प्र., 1963

3. कृष्णकुमार, अलंकारशास्त्र का इतिहास , साहित्य भण्डार, मेरठ, 1998
4. Coomarswami A: *Introduction to Indian Art*, Theosophical Society, Adyar, 1956.
5. कृष्णकुमार, अलंकारशास्त्र का इतिहास , साहित्य भण्डार, मेरठ, 1998
6. पाण्डेय, कान्तिचन्द्र, स्वतन्त्र कलाशास्त्र, प्रथम तथा द्वितीय भाग, चौखम्भा संस्कृत सीरीज, वाराणसी 1967, 1978

[E] Teaching Learning Process:

The teaching-learning process for this paper will be theoretical as well as practical wherein all relevant elements will be analyzed. The students will know the salient features of Aesthetic based on Sanskrit literature on the Subject.

[F] Assessment:

I. Final Examination   **Total marks - 75**

4 long questions	4x 15 = 60 marks
2 notes	2x 7.5 marks= 15
II. Internal Assessment	**25**

(Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)
Total Marks: (I+II) (75+25) = 100

[G] Keywords:

Aesthetics, Saundaryaśāstra, vaya,rūpa, vacana, hāva, ramaṇīyatā, , lāvaṇya, cārutā, kānti, tti, madhuratā, manohāritā, suṣmā, abhirāmtā Aesthetic experience, Rasa, Sāhityadarpaṇa, ānandamayatā, alaukikatā, bhāva, vibhāva, anubhāva, sāttvika bhāva, vyabhicāri bhāva, sthāyibhāva, sahṛdaya, anukārya, anukartā, sādhāraṇīkaraṇa, Rasa, alaṅkāra, rīti, dhvani,vakrokti & aucitya, Bharata, Bhāmaha, Vāmana, Ānandavardhana, Rajśekhar, Abhinavagupta, Mammaṭa,Vishvanātha, Rūpagoswamī and Paṇditarāja Jagannātha
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GE-3: Basic Principles of Āyurveda

Max. Marks: (75+25= 100)   **Total Credits: 04**

[A] Course Objectives:

The primary objective of this course is to offer the students an opportunity of learning about Ancient Indian Medical practices. Students will be familiar with the basic principles of the Science of Ayurveda.

[B] Course Learning Outcomes:

This course will enable the students to get a fair understanding of the Science of Ayurveda (Medical Science). The course will make the learner capable of analyzing the classification and elements of Indian herbs. The course is supposed to create among the students an awareness of ancient medical practices.

[C] Course Contents:

Unit: I
Introduction to Āyurveda

> Definition of Āyurveda, Aim of Āyurveda, Subject Matter of Āyurveda, Salient Features of Āyurveda, Concept of Health according to Āyurveda, Unique features of Āyurveda.
> History of Āyurveda
> Introduction to Major Texts (Suśrut Saṁhitā and Caraka Saṁhitā) and Authors (Suśruta and Caraka) and Aṣṭāṅga Hṛdayam, Aṣṭāṅga Saṅgraha of Vāgbhaṭa.

Unit: II
Basic Principles of Āyurveda

1. **Triguṇas:** Sattva, Rajas and Tamas.
2. **Pañcamahābhūtas:** Ākāśa (Space), Vāyu (Air), Teja or Agni (Fire), Jala (Water) and Pṛthvī (Earth).
3. **Tridoṣas:** Vāta, Pitta and Kapha.
4. **Saptadhātus:** Rasa (fluid), Rakta (blood), Māṁsa, Meda (fat), Asthi, Majjā and Śukra.
5. **Trayodasāgni:** Jatharāgni (gastric fire), Saptadhātvāgni and Pācabhātāgni.
6. **Trimalas:** Purīṣā (faeces), Mūtra (urine) and Sveda (sweat).

Unit: III
Aṣṭāṅga Āyurveda:

1. Kāycikitsā (General Medicine)
2. Kaumārabhṛtya(Pediatrics)
3. śalyatantra (Surgery)
4. Śālākya-Tantra (Ent. and Ophthalmology)
5. Bhūta Vidyā (Psychiatry Medicine).
6. Viṣa Vijñāna (Toxicology).
7. Rasāyana (Rejuvenates).
8. Vajīkaraṇa (Aphrodisiac).

Unit: IV

Important Medicinal Plants and their bases on Āyurveda

Medicinal Plants in Suśruta Saṃhitā: Tulsī, Haridrā, Sarpagandhā, Ghṛta Kumārī, Guggulu, Brāhmī, āmalā, Aśwagandhā, Arjun, Haldi, Neema Plant, Jamun, Pudina

[D] References:

1. Acharya, Srinivas, Panchakarma Illustrated, Chaukhaba Sanskrit Pratishtana, Delhi, 2006.
2. V.B. Athavale, Basic Principles of Āyurveda, ChaukhambaSanskrit Pratishthan New Delhi, 2005.
3. Āyurveda Kā Saṅkṣipta Itihāsa, Hindi Sahitya Sammelan, Allahabad.
4. Bhagavan Dash, Vaidya, and Acarya Manfred M. Junius, A Handbook of Āyurveda, Concept Publishing Co., New Delhi,1987.
5. Bhishagratna, Kaviraj Kunjalal, ed., translator. (2002). Sushruta Samhita Volumes I and II. Varanasi, India: Chowkhamba Sanskrit Series.
6. Charak Samhita E-text: http://www.charakasamhita.com/
7. http://www.speakingtree.in/blog/medicinal-plants-from-ancient-india
8. http://www.tkdl.res.in/tkdl/langdefault/ayurveda/Ayu_Principles.asp?GL=#q1
9. K. R. Srikantha Murthy, Illustrated Susruta Samhita, ChaukhambaOrientalia, 2012
10. M.S. Valiathan, An Introduction to Āyurveda Paperback, Universities Press (India) Private Limited, 2013
11. M.S. Valiathan, The Legacy of Suśruta, Universities Press, 2007
12. PriyaVrat Sharma, Essentials of Āyurveda: Sodasangahṛdayam, MotilalBanarsidass Publishers, 1999
13. Ravi DattaTripathi, Vāgbhaṭa's Aṣṭāṅg-saṅgraha, ChowkhambaSanskrit Pratishthanam, Delhi., 2011.
14. ShanthaGodagama, The Handbook of Āyurveda, North Atlantic Books, 2004
15. Sharma, Priyavrit V., ed., translator. (1981-1994). Charaka Samhita, Vols. 1 - 4,Chaukhamba Sanskrit Series, Varanasi, India: Varanasi, India: Chowkhamba SanskritSeries.
16. Sharma, Ram Karan and Bhagawan Dash, Vaidya, eds., translators (1992 – 2000). CharakaSamhita Vols. 1 – 6. Varanasi, India.Chaukhamba Sanskrit Series.
17. Srikrishnamurthy, K.R. Srikantha, translator. (1991-1992). Vagbhata, AstangaHridayamVols. 1 and 2. Varanasi, India: Krishnadas Academy.
18. Srikrishnamurthy, K.R. Srikantha, translator. (2001). Sharangadhara Samhita: A treatise on Āyurveda. Varanasi, India: ChaukhambaOrientalia.
19. SusrutaSusruta (Author), Kunja Lal Bhishagratna, An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text. Edited and Published by KavirajKunja Lal Bhishagratna. with a Full ... Notes, Comperative Views, Index, Glossary, Nabu Press, 2012

[E] Teaching Learning Process:

1. Teachers will explain the relevant texts in lecture method.
2. Teachers will make the students visit to and experience themselves the medicinal plants.
3. Teachers will instruct the students to prepare reports on their understanding of the plants.

[F]   Weekly Plan

Week 1   - Unit 1

Week 2   - Unit 1
Week 3   - Unit 1
Week 4   - Unit 1
Week 5   - Unit 2
Week 6   - Unit 2
Week 7   - Unit 2
Week 8   - Unit 2
Week 9   - Unit 3
Week 10   - Unit 3
Week 11   - Unit 3
Week 12   - Unit 3
Week 13   - Unit 4
Week 14   - Unit 4
Week 15   - Unit 4

[G] Assessment Methods:
I. Final Examination
I.   Basic Structure of Question Paper & Division of Marks   75

Four long questions from Units I to IV   15x4=60
Three short notes (with options) from Units I to IV   5x3=15

II.   Internal Assessment   25
(Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)
Total Marks: (I+II)   (75+25) = 100

[H] Keywords:
bhujaṅgaprayāta, sragviṇī, toṭaka, harigītikā, vidyunmālā, anuṣṭup, āryā, mālinī, śikhariṇī, vasantatilakā, mandākrāntā, sragdharā and nyuśārdūlvikrīḍita.
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GE-4: Sanskrit Narratology

Max. Marks: (75+25= 100)   **Total Credits: 04**

[A] Course Objectives:

This course aims at acquainting the students with various aspects of Sanskrit Narratology. These aspects cover origin and development of Sanskrit narratives, its distinctive features, functions, forms and cross-cultural reception.

[B] Course Learning Outcomes:

Students will acquire the basic understanding of Sanskrit Narratives. They will be able to appreciate the essence of Sanskrit Narratology. They will develop an interest in Sanskrit Narratives and will be motivated to study the subject further.

[C] Course Contents:

Unit: I Origin and Development of Sanskrit Narratives

    A. Vedic Origin- Ṛgvedic Saṁvāda Sūktas, Gāthā Nārāśaṁsī, Upniṣadic ākhyāna

    B. Itihāsa-purāna tradition

    C. Bṛhatkathā and its Sanskrit recensions – Bṛhatkathā śloksaṁgrha, Kathāsartitsāgara, Bṛhatkathāmaňjarī

    D. Origin and Development of Sanskrit Fables – Pañcatantra, Hitopadeśa, Vetālapaňcaviṁśikā, Siṁhāsanadvātriṁśikā, Puruṣaparīkṣā, Śukasaptati

Unit: II Distinctive Features and Functions of Sanskrit Narratology

    (i) Distinctive Features of Sanskrit Narratology

    1. Interiorization   2. Serialisation 3. Fantasisation   4. Cyclicalisation 5. Allegorisation   6. Anonymisation   7. Elasticisation of Time 8. Spatilisation   9. Stylisation
    10. Improvisation

    (ii) Institution and Function of Story-telling

    1. Ritualistic, spiritualistic, recreational and pedagogical thrust

    2. Narrator as a social-class- Kuśīlava, Cāraṇa, Sūta

Unit: III   Art-forms as Medium of Sanskrit Narrative

Kathāsatra (Symposium of Story-telling), Drama, Dance-forms, Cave-paintings, Miniature Paintings and Sculpture.

Unit: IV   Cultural Reception of Paňcatantra

Adaptation, Re-casting and Re-telling of Paňcatantra across cultures and nations.

[D] References:

1. Sadhale, Nalini, *Katha in Sanskrit Poetics,* Sanskrit Academy, Osmania University, Hyderabad, 1986

2. Paniker, K. Ayyapaa, *Indian Narratology*, IGNCA, Delhi, 2003

3. Dev, Amiya (Ed.), *Narrative, A Seminar*, Sahitya Academy, Delhi, 2017

4. Daya, Krishna, *India's Intellectual Tradition*, Delhi, ICPR,1987

5. Mahulikar, Gauri, Effect of Ramayana on Various Cultures and Civilizations, Ramayana Institute.
6. Video of London 2009 ICR Illustrated Lecture on the Westward Migration of Panchatantra from India.
7. V. Raghavan Ed.The Rāmāyana Tradition in Asia,
8. Dr. Edgerton, Franklin (1924), *The Paňcatantra Reconstructed* (Vol.1: Text and Critical Apparatus, Vol.2: Introduction and Translation), New Haven, Connecticut: American Oriental Series. Volumes 2-3 Hertel, Johannes (1908-15), The Paňcatantra : a collection of ancient Hindu tales, in the recension called Paňcākhyānaka, and dated 1199 A.D., of the Jaina monk
9. Anand Krishna, *A Reassessment of the Tuti-Nama Illustrations in the Cleveland Museum of Art,* Artibus Asiae, Vol. 35, No.3, pp. 241-268 (28 pages). Artibus Asiae Publishers, 1973.
10. Winternitz, M. *Some Problems of Indian Literature* –Munshiram Manoharlal, Delhi, 1978.

[E] Teaching Learning Process:
1. Teachers will introduce the elements of Sanskrit Narratology.
2. Teachers will explain and clarify the fundamental concepts and issues of Narratology in the class.
3. Teachers will suggest the students to visit the blogs, articles and other digital and non – digital sources in the subjects.
4. Teachers will make the students understand the preventive approach of Sanskrit Narratology.

[F]   Weekly Plan

Week 1	- Unit 1
Week 2	- Unit 1
Week 3	- Unit 1
Week 4	- Unit 1
Week 5	- Unit 2
Week 6	- Unit 2
Week 7	- Unit 2
Week 8	- Unit 2
Week 9	- Unit 3
Week 10	- Unit 3
Week 11	- Unit 3
Week 12	- Unit 3
Week 13	- Unit 4
Week 14	- Unit 4
Week 15	- Unit 4

[G] Assessment Method:
I. Final Examination   **75**

Basic Structure of Question Paper & Division of Marks

i.	Long Questions (from unit I, III, IV)	3x15=45
ii.	Short Questions (from unit II)	2x8=16
iii.	Short Notes (from unit I)	2x7=14

II. Internal Assessment **25**
(Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)
Total Marks: (I+II)   (75+25) = 100

[H] Key-Words

Sanskrit Narrative, Narratology, Ākhyāna, Kathā, Ākhyāyikā , Gāthā Nārāśaṁsī , Itihāsa-purāna,   Rāmāyaṇa,   Mahābhārata , Pañcatantra, Hitopadeśa,   Bṛhatkathā, Kathāsartitsāgara, Bṛhatkathāmaǹjarī.

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

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GE-5:
Tools and Techniques for Computing Sanskrit Language

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Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Tools and Techniques for Computing Sanskrit Language	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives:

This course will introduce the current research and development in Sanskrit computing. Primary emphasis will be on tools and techniques developed under government and private funding and to explore new technologies for Sanskrit.

Learning Outcomes:

The course-level learning outcomes that a student of this course is required to demonstrate are indicated below:

- Learn the basic concept of Sanskrit Phonology, Sanskrit Morphology, Syntax, Semantics, Lexicon and Corpora.
- Learn the origin and Development of Language Computing.
- Basic Introduction of Computing Sanskrit Language.
- Various methodologies used on Language Technology.
- Various tools developed for Sanskrit Language.
- Survey of Language Computing

SYLLABUS OF GE-5

Unit: I   **Credit: 01**
Major Components of Sanskrit Linguistics:
- Phonology
- Morphology
- Syntax
- Semantics
- Lexicon and Corpora

Unit: II   **Credit: 01**
Areas and Applications of the Sanskrit Language Computation
- Text Digitization/Content Creation and Search for Sanskrit
- Speech Technology
- Grammar Tools
- Machine Translation
- Preservation and Delivery of Cultural Heritage of Sanskrit

Unit: III   **Credit: 01**
Language Computing Methodology
- Rule Base
- Statistical
- Hybrid

Unit: IV   **Credit: 01**
Survey of Language Computing
- Survey of the Language Computing for Sanskrit
- Survey of the Language Computing for Indo Aryan Languages

[D] References:
Compulsory Readings:

1. Akshar Bharati, Vineet Chaitanya and Rajeeva Sanghal, Natural Language Processing: A Paninian Prospective, Prentice Hall of India, New Delhi, 1995.

2. Chandra Subhash (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.

3. Girish Nath Jha, Madhav Gopal, Diwakar Mishra, Annotating Sanskrit Corpus: Adapting IL-POSTS, Human Language Technology. Challenges for Computer Science and Linguistics Lecture Notes in Computer Science Volume 6562, 2011, pp 371-379.

4. Tools developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi, Delhi-110007 available at: http://cl.sanskrit.du.ac.in

5. Daniel Jurafsky and James H. Martin, Speech and Language Processing, Prentice Hall; 2008

6. Chandra, Subhash and Jha, GN. Computer Processing of Nominal Inflections in Sanskrit: Methods and Implementations, CSP, UK, 2012.

7. Jha, Girish Nath, Morphology of Sanskrit Case Affixes: A Computational Analysis, M.Phil Dissertation, Centre of English and Linguistics, School of Language, Literature and Culture Studies, JNU, 1993.

8. Sanskrit Computational Linguistics symposium 1-2: Springer Verlag LNCS 5402 G Huet, A Kulkarni and P Scharf (eds), Proceedings of the 1st and 2nd International Symposium, 2009.

9. Sanskrit Computational Linguistics symposium 3: Springer Verlag LNCS 5406 A Kulkarni, G Huet (eds), Proceedings of the 3rd International Symposium, Jan 15 - 17, 2009, Hyderabad.

10. Grishman, R., Computational Linguistics: An introduction, Cambridge University Press, 1986.

11. Chandra, Subhash .मशीनी अनुवाद (Machine Translation) Vidyanidhi Prakashana, New Delhi,

[E] Teaching Learning Process:

Lecture based Teaching Learning on the Basics of Tools and Techniques for Computing Sanskrit Language, Detailed Survey of Language Computing tools and Techniques for Background will be covered in this course. It will be very helpful to students to engage them in laboratory and practice basic tools and techniques of computer.

Examination scheme and mode: Subject to directions from the Examination
Branch/University of Delhi from time to time.

Department of Sanskrit

University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

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GE-6
Machine Translation: Tools and Techniques

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Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Machine Translation: Tools and Techniques	04	3	1	0	Class XII Pass	Nil	Sanskrit

Learning Objectives:

This course will introduce the theory and practice of computer based translations and expose the students to the internal processes and inter module interactions in a typical Machine Translation (MT) system

Learning Outcomes:

The course-level learning outcomes that a student of this course will be able to demonstrate are indicated below:

- Learn the origin and Development of Machine Translation.
- Basic Introduction of Machine Translation.
- Human vs Machine Translation.
- Concepts to ideal various methodologies used on Machine Translation System.
- Using guidelines of the Machine Translation system: Google and Bing.
- Evaluation and Challenges in Machine Translation

SYLLABUS OF GE-6

Unit: I   **Credit: 01**
Introduction and History of Machine Translation
- History and Survey of Machine Translation Systems.
- List of Major MT System for Indian Languages: Google Translate and Bing by Microsoft.

Unit: II   **Credit: 01**
Theoretical Concepts of Machine Translation:

- Human vs Computer translation of languages.
- Basics of Machine Translation
- Tools and Techniques of Machine Translation
- Source and Target Language

Unit: III   **Credit: 01**
Machine Translation (MT) Approaches
- Rule Base MT
  Transfer-based
- Interlingual and Dictionary Based
- Statistical MT
  Example Based MT
- Hybrid MT

Unit: IV   **Credit: 01**
Evaluation of MT
- Evaluation of MT
- Challenges in Machine Translation
- Ambiguity and Acceptability

[D] References:
Compulsory Readings:

1. Chandra, Subhash. मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidyanidhi Prakashana, New Delhi, India, ISBN: 9789385539527.
2. Sergei Nirenburg, H. L. Somers, Readings in Machine Translation, MIT Press (MA)
3. Philipp Koehn, Statistical Machine Translation, Cambridge University Press.
4. Sergei Nirenburg, Jaime Carbonell, Masaru Tomita, Editors: Kenneth Goodman, Machine Translation: A Knowledge-Based Approach, Morgan Kaufmann Publishers Inc. San Francisco, CA, USA, 1994
5. Amba Kulkarli, Machine translation activities in India: A survey, In proceedings of workshop on survey on Research and Development of Machine Translation in Asian Countries, Thailand, May 13-14, 2002.

[E] Teaching Learning Process:

A variety of approaches to teaching-learning process, including lectures, seminars, tutorials, workshops, peer teaching and learning, practicum and project-based learning, substantial laboratory-based practical component and experiments in this course, open-ended project work, games, technology-enabled learning, etc. will need to be adopted to achieve this.

Lecture based Teaching Learning on the Basics of Machine Translation, Detailed Survey of MT tools and Techniques for Background will be covered in this course.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-7: Fundamentals of Indian Philosophy

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Fundamentals of Indian Philosophy	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

The primary objective of this course is to familiaries the students with the basic issues in Indian Philosophy. The course will give a hand on knowledge of various Fundamental concepts and Theories to enable them to learn the higher concepts and Theories of different Philosophical schools of Indian Philosophy

Learning outcomes

Indian Philosophy teaches critical thinking, close reading, clear writing, and logical analysis. It develops the tools of logic and reason to analyse the ways in which the individual experiences the Universe. It guides the student to understand the language we use to describe the world, and our place within it. Different areas of philosophy are distinguished by the questions they ask. The most important reason to study philosophy is that it is of enormous and enduring interest. Philosophy is important, but it is also enormously enjoyable in which students are provided with the tools and the opportunity to develop and express their own philosophical views.

Detailed Syllabus
Unit I: Fundamentals of Philosophy   10Hrs
Darśana - concept and aims, Classification of Indian Philosophical schools, Fundamental issues in Indian Philosophy- Epistemology: Pramanas

Unit: II Metaphysics: 10Hrs
Satkaryavada, Asatkaryavada, Parinamavada, Vivartavada, Svabhavavada, Consciousness and matter, theories of self
Ethics: Karma & Punarjanma theory, Liberation

Unit: III Schools of Indian Philosophy   10Hrs.
Heterodox Schools - **Cārvāka** - General introduction with emphasis on Challenge to Veda, Rejection of Transcendental Entities, Ethics

Jainism: General Introduction with emphasis on Anekantavāda, Syadvāda, Saptabhanginyaya.
Buddhism- General introduction with emphasis on Four Noble Truths

Unit : IV Orthodox Schools   15Hrs.

Samkhya- General Introduction with emphasis on Prakṛti, three Gunas & Puruṣa (Based on Samkhyakärikā)
Yoga – Eight-fold path of Yoga
Nyaya Vaisesika - General Introduction Seven Padrathas (overview only) Mimamsa - Svatah Prāmāṇyavāda
Advaita Vedanta - General Introduction with emphasis on Brahman, Māyā, Jīva and Jagat

Essential/recommended readings

1. मिश्र, पंकज कुमार, तर्कसंग्रह तन्वी व्याख्या, परिमल पब्लिकेशन्स, शक्ति नगर, दिल्ली-7, 2013

2. मिश्र, पंकज कुमार, चार्वाक, शिवालिक प्रकाशन, 27/16, शक्ति नगर, दिल्ली-7, 2019

3. शर्मा, चन्द्रधर, भारतीय दर्शन, मोतीलाल बनारसीदास, जवाहर नगर, दिल्ली

4. Bhartiya, Mahesh Bharatiya Darśana Ki Pramukha Samasyaem, Ghaziabad, 1999.

5. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Calcutta University, Calcutta, 1968 (Hindi Translation also).

6. Hiriyanna, M.- Outline of Indian Philosophy, London, 1956 (also Hindi Translation).

7. Shastri, Kuppuswami, A Primer of Indian Logic, 1951 (only introduction).

8. Bhartiya, Mahesh - Causation in Indian Philosophy, Ghaziabad, 1975.

9. Pandey, Ram Chandra - Panorama of Indian Philosophy (also Hindi version), M.L.B.D., Delhi, 1966.

10. Raja, Kuhnan - Some Fundamental Problems in Indian Philosophy, MLBD, Delhi, 1974.

11. Rishi, Uma Shankar (Ed.), Sarva-Darshana_Samgraha, Chowkhamba Vidyabhawan, Varansi, 1984.

Additional Resources:
1. Hiriyanna, M. - Outline of Indian Philosophy, London, 1956 (also Hindi Translation).
2. Shastri, Kuppuswami, A Primer of Indian Logic, 1951 (only introduction).
3. Bhartiya, Mahesh - Causation in Indian Philosophy, Ghaziabad, 1975.
4. Radhakrishnan, S. Indian Philosophy, Oxford University Press, Delhi, 1990.
5. Pandey, Ram Chandra Panorama of Indian Philosophy (also Hindi version), M.L.B.D.,
6. Raja, Kuhnan - Some Fundamental Problems in Indian Philosophy, MLBD, Delhi, 1974.
7. Chatterjee, S. C.- The Nyaya Theory of Knowledge, Calcutta, 1968.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE-8: Indian Epigraphy & Palaeography

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Indian Epigraphy & Palaeography	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course provides the students with the knowledge of the Indian Epigraphy and Palaeography and basics of Indian history of ancient period. Learners interested in acquiring historical facts direct from the original source can be benefitted with this course. It is extremely helpful for those who are willing to involve in archaeological studies.

Learning outcomes

After completion of this course , the students will form a solid undersdtanding of the various Inscriptions , antiquity of writing and other issues related to Indian Epigraphy and Palaeography

Detailed Syllabus

Unit: I   **10Hrs.**

Welfare state: repair of dam, mati-saćiva, karma-saciva in Junagadh Inscription of Rudradāman.

Unit: II   1**0Hrs.**

1. Eran Pillar Inscription: Status of Samudragupta
2. Meharauli Iron Pillar Inscription of Candra: Victory, Recognition of Chandra

Unit: III   **15Hrs.**

1**. Antiquity of writing in India**
a) Observations from foreign scholars
b) Literary evidences
c) Observations made by Indian Epigraphists.

2. Importance of the study of Inscriptions.
a) Geographical description
b) Historical evidences
e) Society

d) Religion
e) Literature
f) Economic Conditions
g) Administration

1. Writing material:
a) Rocks b) Pillars c) Metal Plates Brush, Chisel, Stylus, Paint/Colour d) Statues e) Pen

Unit: IV   **10Hrs.**

    1. Origin of the Brahmi Script
    a) Foreign Origin
    b) Indian Origin

    2. Development of the script upto 700 A.D.

Essential/recommended readings
1. Buhler, G, On the origin of the Indian alphabet & numerals.
2. Dani, A. H, Indian Paleography
3. Ojha, G. H, Bharatiya Praćina Lipimāla (Hindi)
4. Pandey, R.B, Asoka ke Abhilekha (Hindi), Bharatiya Puralipi (Hindi)
5. Rana, S.S., Bharatiya Abhilekha
6. Sircar, D.C., Indian Epigraphy, Select Inscriptions (Part - I)
7. Upadhyay, V., Praćina Bharatiya Abhilekha (Hindi)
8. Thapar, Romila, Asoka tatha Maurya Samrajya Ka Patana (Hindi)

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE 9: Indian Legal System

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Indian Legal System	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Course Objectives

To provide an understanding of law in the Indian knowledge system
To enable students to appreciate the practical and pragmatic aspects of Indian legal thought

Learning Outcomes

Students will acquire a general understanding of various aspects of law
They will understand the tensions between forces of change and status quo
They will appreciate the role of people in the evolution of law
They will learn how a legal system has to be sensitive to peoples' needs

Detailed Syllabus

Unit 1- Concept of law in the Indian knowledge system   09 hrs

Vyavahara as Law, difference between dharma and vyavahara
Survey of vyavahara literature – smritis, commentaries and nibandhas
Peoples' Practices and the letter of law – Custom as a source of law
Fundamental Principles of Vyavahara

Unit II- Wealth based Disputes   12 hrs

Labour and Employment
Market Operations
Finance and Banking
Commercial Enterprises
Laws of Inheritance

Unit III- Violence based disputes   **12 hrs**

Law of Insolent speech
Law of injury and Death
Crimes against women

Unit IV- Procedure and Evidence   **12 hrs**

Types and hierarchy of courts
Legal procedure- Plaint, prima facie assessment, summons, injunctions,
Reply, Judgement
Laws of Evidence
Legal Interpretation and Growth of law

Suggested Readings

1. Kane P.V. : History of Dharma Shastra, Bhandarkar Oriental Research Institute, Pune
2. Lingat Robert : Classical Hindu Law,
3. Mathur A.D. : Medieval Hindu Law, Oxford University Press, New Delhi
4. Sarkar Kishori Lal : Mimamsa principles of Interpretation, 1924 (Revised by Matkandey Katju)

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE 10: Fundamentals of Buddhist Philosophy

Credit distribution, Eligibility, and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Fundamentals of Buddhist Philosophy	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course provides an introduction to the basic teachings, practices, and history of Buddhism. Students will learn about the key concepts and philosophical ideas in Buddhism, including the Four Noble Truths, the Noble Eightfold Path, and the concept of karma. The course will also cover the history and development of Buddhism in different regions of the world, including South Asia, Southeast Asia, East Asia, and the West.

Learning outcomes

To introduce students to the fundamental teachings and practices of Buddhism
To provide an overview of the historical development of Buddhism in different regions of the world
To develop critical thinking skills by analyzing the philosophical and ethical ideas in Buddhism
To enhance students' ability to articulate their own views on Buddhism

Detailed Syllabus

Unit: I   12 hrs
Introduction to Buddhism
      Basic concepts of Buddhism
      The development of Theravada Buddhism
      Historical context and cultural background
      The role of Buddhism in ancient India

Unit: II   09 hrs
Life of Buddha
      Buddha and his teachings
      The Four Noble Truths and the Noble Eight fold Path Buddhism- General
      Introduction with emphasis on Four Noble Truths Pratityasamutpadvad.

Unit: III   12 hrs
Buddhist Philosophy

The nature of reality- Shunyavada, Kshanabhangvaad,
Theory of Existence
The concept of karma and rebirth

Unit: IV   **12 hrs**
Buddhist Ethics

Five Precepts
Practice of meditation
Role of compassion and wisdom in Buddhist ethics
Role of Buddhism in social justice movements and Environmentalism

Recommended Books/Readings:
1. Bhartiya, Mahesh - Bhāratīya Darśana Kī Pramukha Samasyāeṁ, Ghaziabad, 1999.
2. Bhartiya, Mahesh - Causation in Indian Philosophy, Ghaziabad, 1975.
3. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Philosophy, Calcutta University, Calcutta, 1968 (Hindi Translation also).
4. Hiriyanna, M. - Outline of Indian Philosophy, London, 1956 (also Hindi Translation).
5. O'Flaherty, Wendy Doniger – Karma and Rebirth in Classical Indian Tradition, MLBD, Delhi, 1983.
6. Pandey, Ram Chandra - Panorama of Indian Philosophy (also Hindi version), M.L.B.D., Delhi, 1966.
7. Radhakrishnan, S. - Indian Philosophy, Oxford University Press, Delhi, 1990.
8. Raja, Kuhnan - Some Fundamental Problems in Indian Philosophy, MLBD, Delhi, 1974.
9. Rishi, Uma Shankar (Ed.), Sarva-Darshana_Samgraha, Chowkhamba Vidyabhawan, Varanasi, 1984.
10. Shastri, Kuppuswami, A Primer of Indian Logic, 1951 (only introduction).

Suggested Reading :

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE 11: Introduction to Jain Philosophy

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Jain Philosophy	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course provides an introduction to Jainism, one of the oldest and most influential religious traditions of India. Students will learn about the history, beliefs, practices, and ethical principles of Jainism. The course will also explore Jain contributions to Indian culture, philosophy, and literature. By the end of the course, students will have a basic understanding of Jainism and its significance in Indian society and beyond.

Learning outcomes

To familiarize students with the history and basic principles of Jainism
To explore the role of Jainism in Indian society and culture
To examine the ethical principles and practices of Jainism
To introduce students to Jain literature and philosophy
To encourage critical thinking and reflection on Jainism and its relevance to contemporary issues.

Detailed Syllabus

Unit I
Introduction to Jainism   **12 hrs**
Historical background of Jainism
Basic concepts of Jainism: karma, dharma, ahimsa,
Introduction to Jain scriptures: Agamas and commentaries
Major Texts and Philosophers of Jain Philosophy

Unit II   **12 hrs**
Jain Philosophy
Jaina Ontology- Dravya, Guna, Paryaya, Concept of seven Dravyas, Astikaaya and Anastikaay
Jain philosophy: the three principles (Anekantavada, Syadvada, and Nayavada)
Contributions of Jainism to Indian philosophy
Jain beliefs about the nature of the soul and the universe

Unit III   **12 hrs**

Jain Ethics
Jain practices: meditation, fasting, rituals, etc.
Principle of ahimsa (non-violence) and its implications
Jain ethics and environment

Unit IV   **09 hrs**
Jainism and Contemporary Society
Role of Jainism in Indian society and culture
Jainism in the modern world

Essential/recommended readings

1. Bhartiya, Mahesh - Bhāratīya Darśana Kī Pramukha Samasyāeṁ, Ghaziabad, 1999.
2. Bhartiya, Mahesh - Causation in Indian Philosophy, Ghaziabad, 1975.
3. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Philosophy, Calcutta University, Calcutta, 1968 (Hindi Translation also).
4. Hiriyanna, M. - Outline of Indian Philosophy, London, 1956 (also Hindi Translation).
5. O'Flaherty, Wendy Doniger – Karma and Rebirth in Classical Indian Tradition, MLBD, Delhi, 1983.
6. Pandey, Ram Chandra - Panorama of Indian Philosophy (also Hindi version), M.L.B.D., Delhi, 1966.
7. Radhakrishnan, S. - Indian Philosophy, Oxford University Press, Delhi, 1990.
8. Raja, Kuhnan - Some Fundamental Problems in Indian Philosophy, MLBD, Delhi, 1974.
9. Rishi, Uma Shankar (Ed.), Sarva-Darshana_Samgraha, Chowkhamba Vidyabhawan, Varanasi, 1984.
10. Shastri, Kuppuswami, A Primer of Indian Logic, 1951 (only introduction).

Additional Resources:

1. Jainism: An Introduction by Jeffery D. Long
2. The Jain Path: Ancient Wisdom for the West by Aidan Rankin

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-12 Ancient Indian Polity

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Ancient Indian Polity	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

Fundamental Concepts of Indian Political thought have been discussed in Dharma-śāstra literature as the scientific branches of knowledge in ancient India. The aim of this course is to make the students acquainted with various aspects of Indian Political Thought and institutions of Polity as propounded in the ancient Sanskrit texts such as Vedic Samhitas, Mahābhārata, Purāṇas, Kauṭilya's Arthaśāstra and other works known as Nītiśāstra.

Learning outcomes

This course will enable the students to appreciate the fundamental concepts of Indian political thoughts discussed in ancient Sanskrit texts such as Vedic Samhitas, Mahābhārata, Purāṇas, Arthaśāstra, and other works known as Nītiśāstra. It is supposed to create an awareness of the various aspects of Indian political thoughts and institutions of polity and at the same time make the people politically conscious from time to time.

Detailed Syllabus

Unit I 09 hrs
Basic Features of Ancient Indian Political Thought:
Name, Scope, and Sources of Ancient Indian Political Thought:
Various Names of Indian Polity: 'Daṇḍanīti', Arthshastra, 'Dharmaśāstra', Rajshastra 'Nītiśāstra'.
Sources of Ancient Indian Political Thought: Vedic Literature, Purāṇa, Rāmāyaṇa, Mahābhārata, Dharmaśāstra, Nītiśāstra Kautilya's Arthaśāstra and Rajaśāsana (Inscriptions).
Prominent Indian Political Thinkers: Manu, Śukrācārya, Kauṭilya, Kāmandaka, Somadeva Suri.

Unit: II 12 hrs
Ancient Indian Political Thought: Origin and Development:
Indian Political Thought from Vedic Period to Buddhist Period: Election of King by the People' Visas 'in Vedic period: (Ṛgveda,10.173;10.174, Atharvaveda, 3.4.2; 6.87.1-2), Parliamentary Institutions: 'Sabhā, 'Samiti' and 'Vidatha' Ṛgveda, 10.85.26),

Democratic practices in the Buddhist Period (Diggnikāya, Mahāparinibbāṇa Sūtta, Anguttaranikāya, 1.213; 4.252, 256)

Unit: III   **12 hrs**
Nature, Types and Theories of the State:

Nature of the State in Arthaśāstra (6.1) and Manusmṛti (9.294) with Special Reference to Saptāṅga-Theory (Brief description)
Types of State: Rājya, Svarājya, Bhojya, Vairājya, Mahārājya, Sāmarājya (Aitreya Brāhmaṇa, 8.3.13-14; 8.4.15-16).

Kauṭilya's concept of the Welfare State (Arthaśāstra, 1.13); Essential Qualities of King (Arthaśāstra, 6.1.16-18); Duties of King and State 'Rajadharma' (Mahābhārata, Śāntiparva, 120.1-15; Manusmṛti, 7.1-15; Śukranīti,1.1-15) Constituent Elements of Jain political thought (Somadeva's Nītivākyāmṛta, 9.1.18 and, 19.1.10)

Unit IV   **12 hrs**
Cardinal Theories and Ancient Indian Political Thinkers

Cardinal Theories of Indian Political Science:

'Saptāṅga' Theory of State: Svāmī, Amātya, Janapada, Pura, Kośa, Daṇḍa and Mitra (Arthaśāstra-6.1, Mahābhārata-Śantiparva-56.5, Śukranīti, 1.61-62).
'Maṇḍala 'Theory of Inter-State Relations:
'Sadguṇya' Policy of War and Peace Diplomacy:
'Caturvidha Upāya' for balancing the power of State: Śāma, Dāma, Daṇḍa, Bheda.
Three types of State power 'Śakti': Prabhu Śakti, Mantra Śakti, and Utsāha Śakti.

[A] References:

Compulsory Reading:

1. R.P Kangale (ed.) Arthashastra of Kautilya, Motilal Banarasidas, Delhi, 1965.
2. R.T.H. Griffith (Trans.), Atharvaveda Samhita, 1896-97, rept. (2 Vols) 1968.
3. H.P. Shastri, Mahabharata (7 Vols), London, 1952-59.
4. P. Olivelle (ed. & trans.), Manu's Code of Law: A Critical Edition and Translation of the Manava- Dharamashastra, OUP, New Delhi, 2006.
5. H.P. Shastri (trans.), Ramayana of Valmiki (3 Vols), London, 1952-59.
6. H.H. Wilson (trans.), Ṛgveda samhitā (6 Vols), Bangalore Printing & Publishing Co., Bangalore, 1946.
7. A.S. Altekar, State and Government in Ancient India, Motilal Banarsidas, Delhi, 2001.
8. S.K. Belvalkar, Mahabharata: Santi Parvam, 1954.
9. D.R. Bhandarkar, Some Aspects of Ancient Indian Hindu Polity, Banaras Hindu

University.

10. J.R. Gharpure, Teaching of Dharmashastra, Lucknow University, 1956.
11. U.N. Ghosal, A History of Indian Political Ideas, Bombay, 1959.
12. K.P. Jayaswal, Hindu Polity, Bangalore, 1967.
13. N. S Law, Aspect of Ancient Indian Polity, Calcutta, 1960.
14. S.R. Maheshwari, Local Government in India, Orient Longman, New Delhi,

Additional Resources:

1. Beni Prasad, Theory of Government in Ancient India, Allahabad, 1968.
2. B.A. Saletore, Ancient Indian Political Thought, and Institutions, Bombay, 1963.
3. R. S. Sharma, Aspects of Political Ideas and Institutions in Ancient India, Delhi, 1996.
4. K.N. Sinha, Sovereignty in Ancient Indian Polity, London,1938.
5. V.P. Verma, Studies in Hindu Political Thought and its Metaphysical Foundations, Delhi, 1954.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE 13: Introduction to Smṛti Literature

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Smṛti Literature	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

The aim of this course is to make the students acquainted with salient ancient Indian social features and aspects propounded in various Smṛti texts. Smṛti literature is a corpus of ancient Indian society. One can find the root of Indian social, and administrative issues and ancient Indian jurisprudence in Smṛti literature. This course provides an opportunity to study and understand ancient Indian Institutions through the original text of Smṛtis.

Learning outcomes

After the completion of this course, students will be able to connect the theoretical model propounded by the Smṛti texts in the forms of the Varnaashram system, Education, marriage, and the Rights of women. The learners will be able to see Dharma as a dynamic institution. This will free them from the traces of fundamentalism and they should become more open-minded and liberal. Learning and developing a critical approach to the institution of caste and women's issues will make the participants sensitive to discriminating practices. Students will be able to understand the importance of Smṛti literature and they will become unbiased towards the myths regarding various Smṛtis.

Detailed Syllabus

Unit I   **09 hrs**
Smṛti Literature
      Brief Introduction of Smṛti
      Concept of Smṛti
      Relation between Smṛti and Dharmshastra.
      Some Prominent Smṛti and Author- Manu, Yajnyvalkya, Shukracharya, Somdeva, Medhatithi, Vigyaneshwara

Unit II   **12 hrs**

Social Institutions

Dharma: Meaning of Dharma, sources of dharma (Manu.2.1, 6, 10, 12) Yaj. 1.7 Ten fold of Dharma & it's versions Manu. 6.91-94

Varna and Ashram System: An organized society,
Concept, Composition, purpose and Relevance of Varnashram (Manu. 1.87, 10.4, 1.88, 1.89, 9.326, 1.90, 1.91, Manu.10.65, 9.335, 4.245, 2.103,2.168)

Ashram System: Bringing balance in human life
Ashram dharma (Mitakshra Teeka on Yaj. 1.1), Different Ashramas depicted in Smṛti-Literature. Marriage (Manu. 3.4), Panch-Mahayagya 3.69-76, 82, Importance of Grihastha ashram 3.77-81, 6.82-90, Social Responsibility of Grihastha.

Unit: III   **12 hrs**
Social Institutions

Education: Attaining knowledge: Beginning of education; Manu 2, Yaj. 1.10-115, Gurukul; Manu chap 2 and 3 Yaj 1.10-115, rules regarding dressing, eating, rising up, sleeping, behaving etc.
Marriage: Marriage as a social institution for the regulation of the relation between man & woman; forms of marriage; manu 3.27-37, Yaj. 1.58, a woman has right to select a suitable husband for herself; manu 9.90-91,Yaj. 1.89 Qualifications of bride and bridegroom; manu 3.2-11 Yaj- 1.35, 52-55 Narada 12.8-11, Dissolution of marriage; Manu 9.72-74 Yaj. 1.76 Narada 12.16-19

Unit lV   **12 hrs**
Women and society

Respect of Women: Manu 3.55-58, 62, 9.26, Yaj- 1.82, Women Safety Manu 9.3, 9.5-7, Yaj. 1.76,85, Women are not responsible for wicket progeny Manu 9.9,33,36,40, No selling of girl child Manu 3.51,53,54, 9.8,100, Yaj. 1.64
Property rights of women: Right of ownership of property; Manu 9.192-195, 9.217 Yaj. 1.76 Narada 4.14, Protection of her property; Manu 8.28-29, 8.350, Right of Inheritance; Manu 9.118, 130, 131 Narada 4.13 Yaj. 2.115 Never take property of a woman: Manu. 3.52, 9.200, Things can't be counted under women's property Manu. 9.92,199
Women's Empowerment; Manu 9.11 , Right of Education; Manu 5.150, Right of testimony; Manu 8.68, Narada 4.155, Responsibility of Women: Yaj. 1.83,87

References:

Compulsory Readings:

1. नारदस्मृतिः,लेखक- ब्रजकिशोर स्वांई चौखम्बा संस्कृत संस्थान वाराणसी वि- सं- 2065

2. मनुस्मृतिः श्री कुल्लुकभट्ट टीका सहित व्याख्याकार हरगोविन्दशास्त्री चौखम्बा संस्कृत संस्थान वाराणसी 1992

3. याज्ञवल्क्यस्मृतिः उमेशचन्द्रपाण्डेय

4. स्मृतिचन्द्रिका   श्रीयाज्ञिकदेवणभट्टप्रणीत नागप्रकाशन 1988

5. काणे पी-वी- धर्मशास्त्र का इतिहास (हिन्दी अनुवादक-अर्जुन चौबे) हिन्दी समिति प्रभाग लखनऊ

Additional Resources:

1. काणे पी-वी-   धर्मशास्त्र का इतिहास (हिन्दी अनुवादक-अर्जुन चौबे) हिन्दी समिति प्रभाग लखनऊ

2. जोशी- लक्ष्मण शास्त्री   धर्मकोष प्रजनपथशाला मण्डल बई सतरा वि- सं 1994

3. ठाकुर- लक्ष्मीदत्त   प्रमुख स्मृतियों का अध्ययन प्रथम संस्करण 1965 हिन्दी समिति सूचना विभाग लखनऊ

4. स्मृतिसंदर्भ, संशोधित संस्करण 1988 प्रकाशन नाग प्रकाशन

5. भारतीय संस्कृति, डॉ. किरण टण्डन, ईस्टर्न बुक लिंकर्स

6. भारतीय संस्कृति, डॉ. प्रीति प्रभा गोयल, राजस्थानी ग्रंथागार जोधपुर

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-14: Philosophy of Yoga

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Philosophy of Yoga	04	3	1	0	Semester II Passed	Working Knowledge of Sanskrit

Learning Objectives

This course approaches Patanjali's Aphorisms on Yoga as philosophical psychology. The course aims to make students aware of the importance of balance in life and to make them aware of the theoretical and practical aspects of Balanced Living inherent in Sanskrit texts and apply them to live a better life. Graduates who read this course should be able to see that in order to bring balance in life, a proper understanding of one's life situation is necessary. For this understanding, Shravana, Manana, and Nididhyasana are important tools.

Learning outcomes

Graduates must know the true essence of listening (acquisition of information) manana (reflection) and nididhyasana (unflinching commitment). In this segment, students can learn how to improve concentration. They will be able to identify the causes of indecisiveness and confusion and will learn how emotional stability can lead to clearer thinking. This section should help students to understand the importance of Ashtang yoga and Kriyayoga for the purification mind. Teamwork and social cohesion require interpersonal skills. One needs to know that one's behavior can create conflicts. Students should learn how active engagement with action is most conducive to healthy and successful living. By reading this segment, learners should develop a more balanced approach to life.

Detailed Syllabus

Unit I   **12 hrs**

Introduction and History of Yoga Philosophy
Psychology of Yoga
Method of Self-presentation: Hearing (śravaṇa), Reflection (manana) & meditation (nididhyāsana) - (Bṛhadāraṇyakopaniṣad, 2.4.5) and Vedantasara

Unit II   **12 hrs**

Concept of Yoga: (Yogasūtra 1.2)
Restriction of fluctuations by practice (abhyāsa) and passionlessness (vairāgya): (Yogasūtra)
Concentration:

Unit III   **12 hrs**

Eight Folds of Yoga (aṣṭāṅgayoga)
Yoga of action (kriyāyoga)
Four distinct means of mental purity (cittaprasādana) leading to oneness

Unit IV   **09 hrs**
Pancha Kosha: Theory of Personality (5 Insights of great Indian psychology)
Sri Aurovindo's Integral Yoga.

Essential/recommended readings
1. Indian Philosophy
2. उपनिषद् रहस्य
3. एकादश उपनिषद्,
4. *Yoga Sutras of Patanjali*

Additional Resources:

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-15: Unveiling the Richness of the Indian Knowledge System

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Unveiling the Richness of the Indian Knowledge System	04	3	1	0	Twelveth Passed	Working Knowledge of Sanskrit

Learning Objectives

This Course aims to shed light on the vast tapestry of the Indian knowledge system, highlighting its historical development, key dimensions, methods of knowledge acquisition, contributions, and its relevance in the modern era. By understanding and appreciating this ancient wisdom, we can foster cross-cultural dialogue, promote interdisciplinary research, and pave the way for a harmonious future that blends the best of traditional wisdom with contemporary knowledge and innovation.

Learning outcomes

The Indian knowledge system is a treasure trove of wisdom that has been nurtured and evolved over several millennia. Rooted in ancient scriptures, philosophical treatises, scientific discoveries, and artistic expressions, this knowledge system encompasses diverse fields such as philosophy, spirituality, mathematics, astronomy, medicine, literature, and more.

After completion of this course, students will be able to explore the intricacies and significance of the Indian knowledge system, its historical development, and its relevance in the modern world.

Detailed Syllabus
Unit: I
>**10Hrs.**
>Introduction
>>1.1 Background and significance
>>1.2 Objective of the paper

Unit: II
>1**0Hrs.**
>Historical Development of the Indian Knowledge System
>>2.1 Vedic Period: The Foundation of Indian Thought
>>2.2 Upanishadic Era: Quest for Ultimate Reality
>>2.3 Classical Age: Synthesis of Philosophy, Science, and Arts

Unit: III

15Hrs.

Key Dimensions of the Indian Knowledge System

      3.1 Philosophy and Spirituality

      3.2 Mathematics and Astronomy

      3.3 Medicine and Ayurveda

      3.4 Linguistics and Grammar

      3.5 Arts and Literature

Unit: IV   **10Hrs.**

Epistemology and Methods of Knowledge Acquisition

      4.1 Shruti and Smriti: Oral and Textual Traditions

      4.2 Guru-Shishya Parampara: Teacher-Student Tradition

      4.3 Yoga and Meditation: Self-Realization and Higher States of Consciousness

      4.4 Observation and Empirical Analysis

Essential/recommended readings

1. The Vedas
2. The Yoga Sutras of Patanjali
3. The Arthashastra by Chanakya
4. The Bhagavad Git
5. The Ramayana
6. The Mahabharata
7. The Science of Yoga by I.K. Taimni
8. Indian Architecture: Buddhist and Hindu Periods by Percy Brown
9. Indian Music: A Brief Introduction by Guy L. Beck

Reference readings

1. "India: A Sacred Geography" by Diana L. Eck -
2. "The Lost River: On the Trail of the Sarasvati" by Michel Danino
3. "Indian Philosophy: A Very Short Introduction" by Sue Hamilton.
4. "The Upanishads" translated by Swami Prabhavananda and Frederick Manchester
5. "The Cultural Heritage of India" edited by Kapila Vatsyayan

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-16: Contributions of the Indian Knowledge System

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Contributions of the Indian Knowledge System	04	3	1	0	Twelfth Passed	Working Knowledge of Sanskrit

Learning Objectives

This Course aims to Gain an understanding of the historical development of the Indian knowledge system, including its foundation in the Vedic period, evolution during the Upanishadic era, synthesis in the classical age.

It will explore the key dimensions of the Indian knowledge system, including philosophy and spirituality, mathematics and astronomy, medicine and Ayurveda, linguistics and grammar, arts and literature, and social sciences and governance.

It will recognize the relevance of the Indian knowledge system in the modern world, including its spiritual and philosophical significance, scientific and technological applications, integration with modern education, and the potential for global exchange and cross-cultural learning.

Learning outcomes

After completion of this course, students will be able to-

- Develop a deeper awareness and appreciation for the rich and diverse knowledge system that has evolved in India over thousands of years. They will gain insights into the historical development, key dimensions, and contributions of the Indian knowledge system, leading to a greater understanding of its cultural and intellectual significance.
- Promote cross-cultural dialogue by showcasing the Indian knowledge system to a wider audience. It highlights the potential for exchanging ideas, perspectives, and insights between different cultures and knowledge systems. This can foster mutual understanding and collaboration, promoting global learning and innovation.
- Recognize the value of integrating traditional wisdom with contemporary knowledge and practices. This can inspire the development of new interdisciplinary approaches and solutions to complex problems.
- Become more aware of the importance of safeguarding traditional knowledge. This may lead to initiatives aimed at preserving and reviving traditional practices and teachings, ensuring their continuity for future generations.
- Gain insights into the need for responsible adaptation, taking into account cultural sensitivity, intellectual property rights, and the preservation of indigenous knowledge systems.

The comprehensive overview of the Indian knowledge system provided in the paper can serve as a foundation for further research and study. It can inspire scholars, researchers, and students

to delve deeper into specific areas of interest within the Indian knowledge system and contribute to the ongoing exploration and understanding of this vast body of wisdom.

Detailed Syllabus

Unit: I
> **15Hrs.**
> **Contributions of the Indian Knowledge System**
>> 1.1 Metaphysical and Philosophical Insights
>> 1.2 Advancements in Mathematics and Astronomy
>> 1.3 Holistic Approach to Medicine and Well-being
>> 1.4 Linguistic Analysis and Grammar Structures
>> 1.5 Artistic Expressions and Literary Masterpieces

Unit: II   15**Hrs.**
> **Relevance of the Indian Knowledge System Today**
>> 2.1 Spiritual and Philosophical Relevance
>> 2.2 Scientific and Technological Applications
>> 2.3 Integrating Traditional Wisdom
>> 2.4 Global Exchange and Cross-Cultural Learning

Unit: III   15**Hrs.**
> **Challenges and Future Directions**
>> 3.1 Preservation and Documentation
>> 3.2 Reviving Traditional Knowledge in Contemporary Contexts
>> 3.3 Ethical Considerations and Responsible Adaptation
>> 3.4 Embracing the Past to Shape a Harmonious Future

Essential/recommended readings

10. "The Vedas"
11. "The Yoga Sutras of Patanjali"
12. "The Arthashastra" by Chanakya
13. "The Bhagavad Gita"
14. "The Ramayana" by Valmiki
15. "The Mahabharata"
16. "The Science of Yoga" by I.K. Taimni
17. "Indian Architecture: Buddhist and Hindu Periods" by Percy Brown
18. "Indian Music: A Brief Introduction" by Guy L. Beck

These reference books and essential readings will serve as valuable resources for unveiling the richness of the Indian knowledge system, covering various aspects of philosophy, literature, spirituality, arts, and sciences. They offer insights into the profound wisdom and multidimensional heritage of India

Reference readings

1. "India: A Sacred Geography" by Diana L. Eck -

2. "The Lost River: On the Trail of the Sarasvati" by Michel Danino
3. "Indian Philosophy: A Very Short Introduction" by Sue Hamilton.
4. "The Upanishads" translated by Swami Prabhavananda and Frederick Manchester
5. "The Cultural Heritage of India" edited by Kapila Vatsyayan

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-17: Ancient Indian Medicinal Science: Unveiling the Secrets of Ayurveda

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the Course			Eligibility criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Ancient Indian Medicinal Science: Unveiling the Secrets of Ayurveda	04	3	1	0	Twelfth Passed	Working Knowledge of Sanskrit

Learning Objectives

This course offers a comprehensive study of ancient Indian Medicinal Science, focusing on Ayurveda, the traditional system of medicine. Students will explore the foundational principles, concepts, and practices of Ayurveda as documented in ancient texts, such as Charaka Samhita and Sushruta Samhita. Through a combination of lectures, discussions, and practical sessions, students will gain a deep understanding of Ayurvedic principles, diagnosis techniques, treatment modalities, herbal medicine, dietary guidelines, and lifestyle recommendations. The course will also delve into the historical development, philosophical underpinnings, and contemporary relevance of Ayurveda.

Learning outcomes

By the end of the course, students will be able to:

Understand the historical development and cultural context of ancient Indian medicinal science, with a particular focus on Ayurveda.

Identify and explain the fundamental principles and concepts of Ayurveda, such as the five elements (Pancha Mahabhutas), three doshas (Vata, Pitta, Kapha), and the concept of Prakriti (individual constitution).

Analyze the Ayurvedic approach to health and disease, including the concepts of Samprapti (pathogenesis), Tridosha theory, and the role of Agni (digestive fire) and Ama (toxicity).

Apply diagnostic techniques in Ayurveda, including Nadi Pariksha (pulse diagnosis), Jihva Pariksha (tongue examination), and examination of the body constitution.

Evaluate the role of Ayurveda in promoting holistic well-being, preventive healthcare, and the management of specific diseases.

Analyze the philosophical underpinnings of Ayurveda, including the concepts of Prana (life force), Dharma (ethical living), and the interconnectedness of mind, body, and spirit.

Critically assess the contemporary relevance and challenges faced by Ayurveda, including integration with modern healthcare systems, evidence-based research, and ethical considerations.

Engage in scholarly discussions and presentations on various aspects of ancient Indian medicinal shastra and Ayurveda.

Detailed Syllabus

Unit: I

    10Hrs.

    Introduction

        1.1 Historical development and cultural context

        1.2 Overview of Ayurveda and its branches

Unit: II   10**Hrs.**

    Ayurvedic Philosophy and Principles

        Five elements (Pancha Mahabhutas)

        Three doshas (Vata, Pitta, Kapha)

        Concept of Prakriti (individual constitution)

Unit: III   **15Hrs.**

    Ayurvedic Diagnosis Techniques

        Nadi Pariksha (pulse diagnosis)

        Jihva Pariksha (tongue examination)

        Examination of body constitution

        Samprapti (pathogenesis)

        Role of Agni (digestive fire) and Ama (toxicity)

Unit: III   **10Hrs.**

    Ayurvedic Treatment Modalities

        Diet and nutrition in Ayurveda

        Lifestyle recommendations

        Yoga and meditation practices

Essential/recommended readings

Reference readings

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

ABILITY ENHANCEMENT COURSES (AEC)

(SANSKRIT)

AEC I: Semester I/II

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

> ## AEC 1: Sanskrit (Advance): Neeti Literature in Sanskrit

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Neeti Literature in Sanskrit	02	03	01	NA	12th Pass	Nil	Sanskrit

Learning Objectives

This course aims at making the students acquainted with general outline of Sanskrit literature. This course will help the learners be familiar with the tradition of Prose literature with some focus on individual contributors of Sanskrit prose writing.

Learning outcomes

- The students will learn the advance form of Sanskrit language
- The stories and verses prescribed in the course will help the learners develop an understanding of the moral and ethical values that will be useful in their day-to-day life.
- They will be familiar with the rich history of Sanskrit Literature.
- This course will enhance their skills of chaste Sanskrit pronunciation as well as competence and performance of the language.
- This will help them translate and explain the prescribed Sanskrit texts in their native language.

SYLLABUS OF AEC-1 (Sanskrit A)

Unit: I   **Credits: 01**
Course Content/Prescribed Books

Origin and development of Nītikāvya: Kathāsaritsāgara, Pañcatantra, Hitopadeśa, Cāṇakyanīti.

Unit: II   **Credits: 01**
Course Content/Prescribed Books
   Pancatantra, First Story, Verses: 1-35 (Translation, Explanation and Grammar)

Essential/recommended readings
- Pancatantra, Subodh Publications, ISBN: 9788170780403, 8170780403, 2017
- Pancatantra, Prashant Acharya, Notion Press Media Pvt Ltd., ISBN: 9798885915229
- Pancatantra,

Suggested readings

1. शर्मा, उमाशंकर ऋषि: संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी

2. उपाध्याय, बलदेव: संस्कृत साहित्य का इतिहास, शारदा निकेतन, वाराणसी

3. प्रीतिप्रभा, गोयल: संस्कृत साहित्य का इतिहास, राजस्थानी ग्रन्थगार, जोधपुर

4. त्रिपाठी, राधावल्लभ: संस्कृत साहित्य का अभिनव इतिहास, विश्वविद्यालय प्रकाशन, वाराणसी

5. Keith, A.B., History of Classical Sanskrit Literature, MLBD, Delhi, हिन्दी अनुवाद सहित, मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली

6. M. Krishnamachariyar Shastri: History of Classical Sanskrit Literature, MLBD, Delhi

7. Gaurinath Shastri: A Concise History of Sanskrit Literature, MLBD, Delhi

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Basic Structure of Question Paper & Division of Marks	75
Long Answer from each unit (2+2= 4)	04 x 12 = 48
Short Answer from each unit (2+2=4)	05x 04 = 20
Short Notes 2	02x3.5 = 07
Internal Assessment (Project/Discussion/Assignment/paper presentation/ Periodic tests etc.)	**25**
Total Marks: (I+II)	**(75+25) = 100**

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

AEC 1: Sanskrit B (Introductory) : Upanishad and Geeta

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Upanishad and Geeta	02				NA	Open to All	Sanskrit

Learning Objectives

This course aims at making
- the students acquainted with general outline of Sanskrit literature.
- the learners be familiar with the tradition of Indian Philosophical literature
- with some focus on individual contributors of Sanskrit prose writing.

Learning outcomes

The students will learn
- the teachings of Upanisads and Gita
- three major knowledge systems of Traditional Indian Philosophy
- the mantras and verses, prescribed in the course, will help the learners to develop an understanding of the moral and ethical values that will be useful in their day-to-day life.
- They will be familiar with the rich history of Sanskrit Literature.
- This course will enhance their skills of chaste Sanskrit pronunciation as well as competence and performance of the language also.
- This will help them translate and explain the prescribed Sanskrit texts in their native language.

SYLLABUS OF AEC-1

Unit: I   **Credits: 01**

Course Content/Prescribed Books

General Introduction to Upanisads
Text Introduction to Ishavasyopanishad- Karma, Vidya-Avidya, Satya, Atman

Unit: II   **Credits: 01**
Course Content/Prescribed Books

Introduction to Geeta: Background, Purpose, Gyanyoga, Karmayoga, Bhaktiyoga

Essential/recommended readings

1. भगवद्गीता, शाङ्करभाष्य अनुवाद सहित, अनुवादक श्रीहरिकृष्णदास गोयन्दका, गीता प्रैस, गोरखपुर
2. Valmiki Ramayana – Valmiki.iitk.ac.in
3. गीताभाष्यनवाम्बरा- डॉ० शिवनारायण शास्त्री
4. Ishavasyopnishad- Geeta Press, Gorakhpur, 1992
5. Ishavasyopnishad- Swami Sharvananda, Shri RamKrishna Math, Mylapur, Madras, 1943
6. Ishavasyopnishad, Dr. Shashi Tiwari, Bhartiya Vidya Prakashan, Delhi, 1997

Suggested readings

1. Bhagawadgita with the commentary of Shankaracharya – A.K. Warrior,
2. Bhagawadgita – Dr. S. Radhakrishnan
3. Śrimadbhagavadgītā, The Scripture of Mankind, text in Devanagari with transliteration in English and notes by Swami Tapasyananda, Sri Ramakrishna Math, 1984

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

	Basic Structure of Question Paper & Division of Marks	75
i.	Long Answer from each unit (2+2= 4)	04 x 12 = 48
ii.	Short Answer (from each unit (2+2=4)	05x 04 = 20
iii.	Short Notes 2	02x3.5=7
II	Internal Assessment (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)	25
	Total Marks: (I+II)	(75+25) = 100

Department of Sanskrit

University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

AEC 1: Sanskrit C (Introductory): Introduction to Sanskrit Language

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Introduction to Sanskrit Language	02	03	01		12th Pass	Nil	Sanskrit

Learning Objectives

This course aims at making the students acquainted with general outline of Sanskrit Grammar and Composition. This course will enhance their skills of chaste Sanskrit pronunciation as well as competence and performance of the language.

Learning outcomes

- The students will learn the basic Sanskrit language.
- They will learn to create and understand this Language independently.
- This course will enhance the ability to understand classical Sanskrit texts.
- Through the practice of this prescribed syllabus, students will be able to enhance their knowledge of structural patterns of Sanskrit.

SYLLABUS OF AEC-1 (Intermediate)

Unit: II   **Credits: 01**

Basic Sanskrit Sentence Formation (Active Voice) using the following:
कारक एवं विभक्ति: कर्त्ता, कर्म एवं करण

वचन एवं लिङ्ग:

शब्दरूप: राम, बालक, लता, अस्मद्, युष्मद्, तत्, इदम्, किम्, सर्व, हरि, मति, जल, फल, पुष्प, ज्ञान, भोजन, धन, गुरु

क्रियारूप: निम्नलिखित धातुओं का केवल लट्, लृट् एवं लङ् लकार में रूप:

भू, पठ्, लिख्, खाद्, चल्, गम् (गच्छ्), हस्, वद्, पा (पिब्), अस्, गै (गाय), भ्रम्, स्था (तिष्ठ), दृश् (पश्य), पच्, वर्ष्, दा (यच्छ)

शब्दकोश: संस्कृत सामान्य शब्दों के लिए शब्दकोश

यत्र, तत्र, कुत्र, श्व, अद्य, कथम्, यथा, तथा, च, अथवा

Unit: II **Credits: 01**

व्यावहारिक वाक्य संरचना

Essential/recommended readings

- पाण्डेय, राधामोहन: संस्कृत सहचर, स्टूडेंट्स फ्रेंड्स पटना, बिहार
- नौटियाल, चक्रधर: बृहद् अनुवाद चन्द्रिका, मोतीलाल बनारसीदास, दिल्ली
- रूपचन्द्रिका, डॉ० ब्रह्मानन्द त्रिपाठी , चौखम्बा सुरभारती प्रकाशन, वाराणसी

Suggested readings

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Basic Structure of Question Paper & Division of Marks	75
Long Answer from each unit (2+2= 4)	04 x 12 = 48
Short Answer (from each unit (2+2=4)	05x 04 = 20
Short Notes 2	02x3.5 = 07
Internal Assessment (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)	**25**
Total Marks: (I+II)	**(75+25) = 100**

ABILITY ENHANCEMENT COURSES (AEC)

(SANSKRIT)

AEC II: Semester III/IV

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

AEC 2: Sanskrit (Advance) : Ancient Indian Economy

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Ancient Indian Economy	02	3	1		12th Pass	Nil	Sanskrit

Learning Objectives

The aim of this course is to make the students acquainted with various aspects of economic thought and Indian economy as propounded in the ancient Sanskrit texts from Vedic Saṁhita to later texts in the Dharamśāstra and Arthaśāstra traditions.

Learning outcomes

This course will enable the students to appreciate the fundamental concepts of Indian economic thoughts discussed in ancient Sanskrit texts such as Vedic Saṁhita, Kauṭilya's Arthaśāstra, Manusmṛiti etc. This session deals with the economic model of ancient India and financial growth of the state's thought through Sanskrit literature. Students will be able to understand various aspects of the taxation model in ancient India and they should be able to compare ancient and contemporary models.

SYLLABUS OF AEC-2 Course A

Unit: 1

Introduction to Ancient Indian Economy   **Credit: 1**

    Early and Later Vedic Period
    Buddhist Period
    Centralized Economy of Mauryan Period
    Post Mauryan Period
    Gupta and Post Gupta Period

Unit: 2   **Credit: 1**

Readings in Indian Economy:

Manusmṛiti- Chapter 7, Verse No- 123-138, Arthaśāstra- Second Adhikaraṇa, Sannidhātṛnicayakarma and Samāhrtṛsamudayaprasthāpanam

Essential/recommended readings

1. R.P Kangle (ed.) Arthaśāstra of Kauṭilya, Motilal Banarsidas, Delhi, 1965
2. P. Olivelle (ed. & trans), Manu code of law: A Critical Edition & translation of the Manava- Dharmasastra, UUP, New Delhi, 2006
3. R. S. Sharma, Aspects of Political Ideas & Institutions in Ancient India, Delhi, 1996
4. A. S. Altekar, State and Government in Ancient India, Motilal Banarsidas, Delhi, 2011
5. कपिलदेव द्विवेदी, वैदिक साहित्य एवं संस्कृति, वाराणसी, विश्वविद्यालय प्रकाशन, षष्ठ संस्करण, 2015
6. शर्मा, उमाशंकर ऋषि, संस्कृत साहित्य का इतिहास, चौखम्भा भारती अकादमी, वाराणसी

Suggested readings

1. कैलाशचन्द्र जैन, प्राचीन भारतीय समाजिक और आर्थिक संस्थाएं, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल, 1976
2. शशि तिवारी, संस्कृत साहित्य में राष्ट्रवाद एवं भारतीय राजशास्त्र, विद्यानिधि प्रकाशन, दिल्ली, 2013
3. सहाय, शिवस्वरूप, प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली, 2012

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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Basic Structure of Question Paper & Division of Marks

Questions - 03 (from Unit 1)	03 x 15 = 45
Explanations 03 (from unit-2)	03 x 08 = 24
Short Notes 02	02x3 = 06
Total Marks: (I+II)	**75**

Department of Sanskrit
University of Delhi
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AEC 2: Sanskrit B (Intermediate) :
Administrative Structure in Kauṭilya's Arthaśāstra

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
Administrative Structure in Kauṭilya's Arthaśāstra	02	03	01		12th Pass	Nil	Sanskrit

Learning Objectives

The government policies mentioned in Arthaśāstra indicate that the ruler of the kingdom or the country should follow the duties assigned to him for the welfare of the people. The aim of this course is to make the students acquainted with various aspects of Administrative parts and his responsibilities mentioned in Kauṭilya's Arthaśāstra.

Learning outcomes

After going through this course, students will know the most important aspect of Arthaśāstra was public welfare even in an autocratic agrarian state. In addition, they will know King was the head and the main function of him was military judicial legislative and executive which in the present is the function of the president.

SYLLABUS OF AEC-1

Unit: 1   **Credit: 1**

Introduction to Kauṭilya's Arthaśāstra: Author, Structure of the Text, Editions and Translations, Introduction to all Adhikaraṇas.

Unit: 2   **Credit: 1**

Saptāṅga Theory

Concept of Welfare State

Samāharta

Sannidhātā

Dharmasthīya

Kaṇṭakaśodhana

Sitādhyakṣa

Essential/recommended readings

1. R.P Kangle (ed.) Arthaśāstra of Kauṭilya, Motilal Banarsidas, Delhi, 1965
2. उदयवीर शास्त्री (अनुवाद) कौटिल्य अर्थशास्त्र, मेहरचंद्र लक्ष्मणदास, दिल्ली, 1968
3. कैलाशचन्द्र जैन, प्राचीन भारतीय समाजिक और आर्थिक संस्थाएं, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल, 1976
4. A. S. Altekar, State and Government in Ancient India, Motilal Banarsidas, Delhi, 2011
5. वाचस्पति गैरोला, कौटिलीयम् अर्थशास्त्रम् (हिन्दीव्याख्योपेतम्), वारणसी, चौखम्भा विद्याभवन, संस्करण 2015

Suggested readings

1. Kautilya Arthshastra, translated by R Shyamshastri, Delhi, Choukhamba Sanskrit Pratisthan.
2. R. S. Sharma, Aspects of Political Ideas & Institutions in Ancient India, Delhi, 1996
3. शशि तिवारी, संस्कृत साहित्य में राष्ट्रवाद एवं भारतीय राजशास्त्र, विद्यानिधि प्रकाशन, दिल्ली, 2013
4. U.N. Ghosal, A History of Indian Political Ideas, Bombay, 1956.

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Basic Structure of Question Paper & Division of Marks	75
Questions 03 (from Unit 1)	03 x 10 = 30
Questions 02 (from Unit 2)	03 x 10 = 30
Short Notes (from Unit 2)	03 x 05 = 15
Total Marks: (I+II)	**75**

Department of Sanskrit
University of Delhi
Under Graduate Course for Sanskrit
B.A. (Hons.) Under UGCF-22

AEC 3: Sanskrit C (Introductory) : Culture and Society संस्कृति: समाजश्च

Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course	Department Offering the Course
		Lecture	Tutorial	Practical/ Practice			
	02	03	01		12th Pass	Nil	Sanskrit

Learning Objectives

To provide the fundamentals of Indian culture and society in Sanskrit Literature. This course is envisioning to help students learn the various aspects of Indian Culture and Society as depicted in Sanskrit Literature.

Learning outcomes

Students will learn and evaluate institution of marriage, status of women and Indian Social Institutions. They will be equipped with the primary resources to understand the essence of Indian Perspective of Sociology. They will be able to conduct independent research in the abovementioned areas. This course will also allow them to understand the society that framed India.

SYLLABUS OF AEC-1

Unit: I   **Credit: 01**

Essence of Indian Culture-

Spirituality- Ishavasyopnishad (1st Mantra); Sthitapragya- Srimadbhagwadgita (2/ 54-59)

Life Style -Satya, Ahimsa, Asteya, Santosh, Tapas, Swadhayaya, Ishvara pranidhan (with special reference to Yogasutra);

Social Conduct and Harmony- Rigveda, SanjnanaSukta, 10. 191 (2-4)

Unit: II   **Credit: 01**

Indian Social Thinkers- Fundamental thoughts of the following:

Manu, Gautam Buddha, Kautilya, Swami Vivekananda, Swami Dayanand Sarasvati, Mahatma Gandhi

Essential/recommended readings
1. Ishavasyopnishad- Geeta Press, Gorakhpur, 1992
2. Ishavasyopnishad- Swami Sharvananda, Shri RamKrishna Math, Mylapur, Madras, 1943
3. Ishavasyopnishad, Dr. Shashi Tiwari, Bhartiya Vidya Prakashan, Delhi, 1997
4. Kautilya Arthashastra, Vachaspati Gairola, Chaukhamba Vidya Bhawan, Varanasi, 2017
5. Kautilya Arthashastra, R.P. Kangle, Motillal Banarasidas publishers, Delhi, 1997
6. Manu's Code of law- (Ed. & Trans.) Olivelle, P. (A Critical Edition and Translation of the Manava- Dharmashastra, OUP, New Delhi, 2006.
7. Rigveda Samhita, (6 Vols)- Eng. Tr. H.H. Wilson, Bangalore Printing & Publishing Co., Bangalore, 1946
8. Vivekananda Sahitya, Vol.1-10, Advaita Ashram, 2014
9. ऋग्वेद संहिता, सायणाचार्य कृत भाष्य एवं हिन्दी व्याख्या सहित, राम गोविंद त्रिवेदी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
10. पातंजल योगदर्शन,व्याख्या – स्वामी श्री ब्रह्मलीन मुनि, चौखम्बा प्रकाशन, वाराणसी, 2007
11. पातंजल योगदर्शन, डॉ सुरेशचंद्र श्रीवास्तव्, चौखम्बा सुरभारती प्रकाशन वाराणसी, 2016
12. बौद्ध दर्शन, राहुल सांकृत्यायन, किताब महल, इलाहाबाद, 1944
13. श्रीमद्भगवद्गीता, जयदयाल गोयन्दका, गीताप्रेस गोरखपुर, संवत 2067
14. भगवद्गीता, डॉ सर्वपल्ली राधाकृष्णन्, हिन्द पॉकेट बुक्स, नई दिल्ली, 2011
15. कौटिल्य अर्थशास्त्र, उदयवीर शास्त्री, मेहरचंद लक्ष्मणदास, दिल्ली, 1969-1970
16. गाँधी, महात्मा- सत्य के प्रयोग, सस्ता साहित्य मण्डल, नई दिल्ली, 1994
17. सरस्वती, दयानंद- सत्यार्थप्रकाश , राष्ट्रीय आर्य निर्मात्री सभा, रोहतक, हरियाणा, 2014
18. महाभारत (1-6 भाग)- हिन्दी अनुवाद सहित, (अनु) रामनारायण दत्त शास्त्री पाण्डेय, गीताप्रेस, गोरखपुर।
19. मनुस्मृति (1-13 भाग)- (संपादित एवं व्याख्या)- उर्मिला रुस्तगी, जे. पी. पब्लिशिंग हाउस, दिल्ली, 2005

Suggested readings
1. Prabhu, P.H.- Hindu Social Organization, Popular Publication, Mumbai, 1998
2. The Rigvedic People, B.B. Lal, Aryan Books International, India, 2015
3. जैन, कैलाशचंद्र – प्राचीन भारतीय सामाजिक और आर्थिक संस्थाएँ, मध्य प्रदेश हिन्दी ग्रंथ अकादमी, भोपाल, 1976

4. टंडन, किरण- भारतीय संस्कृति, ईस्टर्न बुक लिंकर्स, दिल्ली, 2017

5. पाण्डेय, राजबली – हिन्दू संस्कार (सामाजिक तथा धार्मिक अध्ययन), चौखम्बा विद्या भवन वाराणसी, 1957

6. सहाय, शिवस्वरूप, प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली , 2014

7. काणे, पी. वी. – धर्मशास्त्र का इतिहास (1-4 भाग), अनुवाद अर्जुन चौबे काश्यप, हिन्दी समिति, लखनऊ, 1966-73

Examination scheme and mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Basic Structure of Question Paper & Division of Marks		**75**
Long Questions 03 (from unit-1 and 2)	03 x 12	= 36
Short Answer Type Questions 3 (Unit 1 to 2)	03 x 08	= 24
Short Notes 03 (from 1-4 Units)	03 x 05	= 15
Total Marks : (I+II)		**75**

Head of the Department