

Vidyasagar University

Curriculum for B.A. (Honours) in Sanskrit [Choice Based Credit System]

Semester-I

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC1		C1T: Classical Sanskrit Literature (Poetry)	Core Course-1	5	1	0	6	75
CC2		C2T: Classical Sanskrit Literature (Prose)	Core Course-2	5	1	0	6	75
GE1		TBD	Generic Elective-1				4/5	75
							2/1	
AECC		English	AECC (Elective)	1	1	0	2	50
Semester Total							20	275

L=Lecture, **T**=Tutorial, **P**=Practical, **CC**- Core Course, **TBD** - To be decided, **AECC**- Ability Enhancement Compulsory Course

Generic Elective (GE) (Interdisciplinary) from other Department [paper will be of 6 credits]

Semester-I

Core Courses (CC)

CC-1 : Classical Sanskrit Literature (Poetry)

Credit 06

C1T : Classical Sanskrit Literature (Poetry)

Course content

Section 'A'	Raghuvamśam: Canto-I (Verse: 1-25)
Section 'B'	Kumārasambhavam: Canto-V (Verse: 1-30)
Section 'C'	Kirātārjunīyam - Canto I (1-25 Verses)
Section 'D'	Nītiśatakam (1-20 Verses, 1st two Paddhatis)-M. R. Kale Edition.
Section 'E'	Origin and Development of Mahākāvya and Gītikāvya

Unit-Wise Division:

Section 'A'

Raghuvamśam: Canto-I (Verse: 1-25)

Unit: I	Raghuvamśam: Introduction (Author and Text), Appropriateness of title, Canto I, 1-10 Grammatical analysis, Meaning/translation, Explanation, content analysis, Characteristics of Raghu Clan.
Unit: II	Raghuvamśam: Canto I (Verses 11-25) grammatical analysis, Meaning/translation, Explanation, Role of Dilīpa in the welfare of subjects.

Section 'B'

Kumārasambhavam: Canto-V (Verses: 1-30)

Unit: I	Kumārasambhavam: Introduction (Author and Text), Appropriateness of title, Background of given contents. Text Reading Canto I Verses 1-15, (Grammatical analysis, Translation, and Explanation), Poetic excellence and Plot.
Unit: II	Kumārasambhavam : Text Reading Canto I Verses 16-30 (Grammatical analysis, Translation, Explanation), Penance of Pārvati, Poetic excellence, Plot.

Section 'C'

Kirātārjunīyam - Canto I (1-25 Verses)

Unit: I	Kirātārjunīyam: Introduction (Author and Text), Appropriateness of title, Background of given contents, Canto I Verses 1-16, Grammatical analysis, Translation, Explanation, Poetic excellence, thematic analysis.
Unit: II	Kirātārjunīyam: Verses 17-25, Grammatical analysis, Translation, Explanation, Poetic excellence, thematic analysis.

Section 'D'

Nītiśatakam (1-20 Verses, 1st two Paddhatis)-M. R. Kale Edition

Unit: I	Nītiśatakam: Verses (1-10) Grammatical analysis Translation, explanation.
Unit: II	Nītiśatakam: Verses (11-20) Grammatical analysis Translation, explanation, thematic analysis bhartṛhari's comments on society.

Section 'E'

Origin and Development of Mahākāvya and Gītikāvya

- Unit: I** Origin and development of different types of Māhākāvya with special reference to Aśvaghoṣa, Kālidāsa, Bhāravi, Māgha, Bhatti, Śīharṣa.
- Unit: II** Origin & Development of Sanskrit gītikāvayas with special reference to Kālidāsa, Bilhaṇa, Jayadeva, Amarūk, Bhartṛhari and their works.

CC-2 : Classical Sanskrit Literature (Prose)

Credit 06

C2T : Classical Sanskrit Literature (Prose)

Course content

- Section 'A' Śukanāsopadeśa (Ed. Prahlad Kumar)
- Section 'B' Viśrutacaritam Upto 15th Para
- Section 'C' Origin and development of prose, Important prose romances and fables

Unit-Wise Division:

Section 'A'

Śukanāsopadeśa (Ed. Prahlad Kumar)

- Unit: I** Introduction- Author/Text, Text up to page 116 of Prahlad Kumar Up to the end of the Text.
- Unit: II** Society, Āyurveda and political thoughts depicted in Śukanāsopadeśa, logical meaning and application of sayings like बाणोणछछष्ट जगत्सवाम्, वाणी बाणो बभूव, पञ्चाननो बाण etc.

Section 'B'

Viśrutacaritam Upto 15th Para

- Unit: I** Para 1 to 10 - Introduction- Author, Text, Text reading (Grammar, Translation, and Explanation), Poetic excellence, plot, Timing of Action.
- Unit: II** Para 11 to 15 - Text reading (Grammar, Translation, and Explanation), Poetic excellence, plot, Timing of Action. Society, language and style of Daṇḍin. Exposition of Saying दण्डन पदलाणलत्यम्, कणवदाण्डौ कणवदाण्डौ कणवदाण्डौ न सशय ।

Section 'C'

Origin and development of prose, Important prose romances and fables

- Unit: I** Origin and development of prose, important prose romances and fables
- Unit: II** (i) Subandhu, Daṇḍin, Bāṇa, Ambikādatṭa Vyāsa.
(ii) Pañcatantra, Hitopadeśa, Vetālapañcaviṃśatikā, Simhāsanadvātrimśikā, Puruṣaparīkṣā, Śukasaptati.

Generic Elective (GE)

GE-1 [Interdisciplinary for other department]

GE-1 : Basic Sanskrit

Credit 06

GE1T : Basic Sanskrit

Course content:

Section 'A' Grammar and composition Part I

Section 'B' Grammar and composition Part II

Section 'C' Literature

Unit-Wise Division:

Section 'A'

Grammar and Composition Part I

- Unit: I** Nominative forms of pronouns- *asmad*, *yuṣmad*, *etat* and *tat* in masculine, feminine and neuter.
Nominative forms of 'a' ending masculine and neuter gender nouns with *paṭh*, *khād*, *likh* and similar simple verbs in present, past and future. Objective forms of the above nouns and pronouns in singular with more simple verbs
- Unit: II** Instrumental, dative, ablative forms of the above nouns and pronouns in singular, dual and plural instrumental, dative, ablative forms of all the words in this syllabus.
- Unit: III** 'ā' and 'ī' ending feminine words in nominative and accusative cases with *loṭ lakāra* (imperative).
- Unit: IV** 'ā' and 'ī' ending feminine nouns in singular in Genitive/ possessive and locative cases, genitive and locative cases in singular in pronouns *tat*, *etat*, *yat*, *kim*
- Unit: V** Masculine and Feminine nouns ending in 'i' and masculine nouns ending in 'u' in various cases in singular
- Unit: VI** Masculine nouns ending in consonants – *bhavat*, *guṇin*, *ātman* and Feminine nouns ending in consonants – *vāk*, Neuter nouns ending in consonants – *jagat*, *manas*

Section 'B'

Grammar and Composition Part II

- Unit: I** Special Verb forms – in *parasmaipada* –past, present, future and imperative - *kṛ*, *śrū*
- Unit: II** Special Verb forms – in *parasmaipada* –past, present, future and imperative *jñā*.
Special Verb forms – in *parasmaipada* –past, present, future and imperative *dā*.
- Unit: III** ātmanepada – *sev*, *labh*
- Unit: IV** Phonetic changes – *visarga sandhi*
vowel sandhis.

Unit: V

Participles - *śatṛ, śānac, ktavatu, kta.*

Pratyayas – ktvā, lyap, tumun.

Active – passive structures in *lakāras* – (third person forms only) and *pratyayas*

kta, ktavatu

Section ‘C’

Literature

Unit: I

Gita Chapter XII

Vidyasagar University

Curriculum for B.A. Honours in Sanskrit [Choice Based Credit System]

Semester-II

Sl. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			Credit
				L	T	P	
CC3	Critical Survey of Sanskrit Literature	Core Course-3		5	1	0	6
CC4	Self Management in the Gītā	Core Course-4		5	1	0	6
GE-2	TBD	GE					4/5
							2/1
AECC-2	Environmental Studies	AECC					4
Total Credits = 22							

L=Lecture, T=Tutorial, P=Practical. AECC- Ability Enhancement Compulsory Course.

CC = Core Course, TBD = To be decided,

Interdisciplinary/Generic Elective (GE) from other Department. Each paper will be of 6 credits.

Semester-II

List of Core Courses and Electives

Core Courses (CC)

CC-3: Critical Survey of Sanskrit Literature

CC-4: Self Management in the Gītā

Generic Electives (GE)

[Interdisciplinary for other Department]

GE-2: Indian Culture and Social Issues

Or

GE-2: Sanskrit and other Modern Indian Languages

Or

GE-2: Indian Epigraphy & Paleography

CC-3: Critical Survey of Sanskrit Literature

Credits 06

CC3T: Critical Survey of Sanskrit Literature

Course Content:

Section 'A'	Vedic Literature
Section 'B'	Rāmāyaṇa
Section 'C'	Mahābhārata
Section 'D'	Purāṇas
Section 'E'	General Introduction to Vyākaraṇa, Darśana and Sāhityaśāstra

Unit-Wise Division:

Section 'A' Vedic Literature

Unit: I	<i>Samhitā (Ṛk, Yajur, Sāma, Atharva)</i> time, subject-matter, religion & Philosophy, social life
Unit: II	<i>Brāhmaṇa, Āraṇyaka, Upaniṣad, Vedāṅga</i> (Brief Introduction)

Section 'B' Rāmāyaṇa

Unit: I	<i>Rāmāyaṇa-time, subject-matter, Rāmāyaṇa as an Ādikāvya.</i>
Unit: II	<i>Rāmāyaṇa as a Source Text and its Cultural Importance.</i>

Section 'C' Mahābhārata

Unit: I *Mahābhārata* and its Time, Development, and subject matter

Unit: II *Mahābhārata* : Encyclopaedic nature, as a Source, Text, Cultural Importance.

Section 'D'

Purāṇas

Unit: I Purāṇas : Subject matter, Characteristics

Unit: II Purāṇas : Social, Cultural and Historical Importance

Section 'E'

General Introduction to Vyākaraṇa, Darśana and Sāhityaśāstra

Unit-I General Introduction to Vyākaraṇa- Brief History of Vyākaraṇaśāstra

Unit-II General Introduction to Darśana-Major schools of Indian Philosophy Cārvāka, Bauddha, Jaina, Sāṅkhya-yoga, Nyāya-Vaiśeṣika, Pūrva-mīmāṃsā and Uttara mīmāṃsā.

Unit-III General Introduction to Poetics- Six major Schools of Indian Poetics-Rasa, Alankāra, Rīti, Dhvani, Vakrokti and Aucitya.

[D] Suggested Books/Readings:

1. बलदेव उपाध्याय, संस्कृत साहित्य का इतिहास, शारदा निकेतन, वाराणसी,
2. बलदेव उपाध्याय, वैदिक साहित्य और संस्कृति, वाराणसी
3. प्रीतिप्रभा गोयल, संस्कृत साहित्य का इतिहास, राजस्थानी ग्रन्थागार, जोधपुर.
4. उमाशंकर शर्मा ऋषि, संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी.
5. राधावल्लभ त्रिपाठी, संस्कृत साहित्य का अभिनव इतिहास, विश्वविद्यालय प्रकाशन, वाराणसी
6. A.B. Keith, *History of Sanskrit Literature*, also Hindi translation, MLBD, Delhi.
(हिन्दी अनुवाद, मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली).
7. M. Krishnamachariar, *History of Classical Sanskrit Literature*, MLBD, Delhi.
8. Gaurinath Shastri, *A Concise History of Sanskrit Literature*, MLBD, Delhi.
9. Maurice Winternitz, *Indian Literature* (Vol. I-III), also Hindi Translation, MLBD, Delhi.

CC4T: Self Management in the Gītā

Course Content:

Section 'A'	Gītā: Cognitive and emotive apparatus
Section 'B'	Gītā: Controlling the mind
Section 'C'	Gītā: Self management through devotion

Unit-Wise Division:

Section 'A'

Gītā: Cognitive and emotive apparatus

Hierarchy of *indriya*, *manas*, *buddhi* and *ātman*
III.42; XV. 7

Role of the *ātman* –XV. 7; XV.9

Unit: I

Mind as a product of *prakṛti* VII.4

Properties of three *guṇas* and their impact on the
mind – XIII. 5-6; XIV.5-8, 11-13; XIV.17

Section 'B'

Gītā: Controlling the mind

Confusion and conflict

Nature of conflict I.1; IV.16; I.45; II.6

Unit: I

Causal factors – Ignorance – II.41; *Indriya* – II.60,
Mind – II.67; *Rajoguna* – III.36-39; XVI.21;
Weakness of mind- II.3; IV.5

Unit: II

Means of controlling the mind

Meditation—difficulties --VI.34-35; procedure
VI.11-14

Balanced life- III.8; VI.16-17

Diet control- XVII. 8-10

Physical and mental discipline – XVII. 14-19, VI.
36.

Means of conflict resolution

Importance of knowledge – II. 52 ; IV.38-39;
IV.42

Clarity of *buddhi* – XVIII.30-32

Process of decision making – XVIII.63

Unit: III

Control over senses – II.59, 64

Surrender of *kartṛbhāva* –XVIII .13-16; V.8-9

Desirelessness- II.48; II.55

Putting others before self – III.25

Section ‘C’

Gītā: Self management through devotion

Surrender of ego – II.7 ; IX.27; VIII.7; XI.55 ;
II.47

Unit: I

Abandoning frivolous debates – VII.21, IV.11;
IX.26

Acquisition of moral qualities - XII.11; XII.13-19

Recommended Books/Readings:

1. श्रीमद्भगवद्गीता — मधुसूदनसरस्वतीकृत गूढार्थदीपिका संस्कृतटीका तथा प्रतिभाभाष्य (हिन्दी) सहित,
2. श्रीमद्भगवद्गीता, व्याख्याकार — मदनमोहन अग्रवाल, चौखम्बा संस्कृत प्रतिष्ठान, वाराणसी, 1994.
3. श्रीमद्भगवद्गीता — एस० राधाकृष्णन् कृत व्याख्या का हिन्दी अनुवाद, राजपाल गण्ड मन्स, दिल्ली, 1969.

4. श्रीमद्भगवद्गीता रहस्य और कर्मयोगशास्त्र — बालगङ्गाधर तिलक, अपोलो प्रकाशन, दिल्ली, 2008.
5. Śrimadbhagavadgītā - English commentary by Jayadayal Goyandka, Tattvavivecinī Gītā Press, Gorakhpur, 1997.
6. Śrimadbhagavadgītārahasya - The Hindu Philosophy of Life, Ethics and or Karmayogaśāstra Religion, Original Sanskrit Stanzas with English Translation, Bal Gangadhar Tilak & Balchandra Sitaram Sukthankar, J.S.Tilak & S.S.Tilak, 1965.
7. Śrimadbhagavadgītā - A Guide to Daily Living, English translation and notes by Pushpa Anand, Arpana Publications, 2000.
8. Śrimadbhagavadgītā - The Scripture of Mankind, text in Devanagari with transliteration in English and notes by Swami Tapasyananda, Sri Ramakrishna Math, 1984.
9. Chinmayananda - The Art of Man Making (114 short talks on the Bhagavadgītā), Central Chinmaya Mission Trust, Bombay, 1991.
10. Panchamukhi, V.R.- Managing One-Self (Śrimadbhagavadgītā : Theory and Practice), R.S. Panchamukhi Indological Research Centre, New Delhi & Amar Grantha Publications, Delhi, 2001.
11. Sri Aurobindo - Essays on the Gītā, Sri Aurobindo Ashram, a. Pondicherry, 1987.
12. Srinivasan, N.K. - Essence of Śrimadbhagavadgītā : Health & Fitness (commentary on selected verses), Pustak Mahal, Delhi, 2006.

GE-2: Indian Culture and Social Issues

Credits 06

GE2T: Indian Culture and Social Issues

Course Content:

Section 'A' Culture in a multi-cultural society

Section 'B' Cultural roots of India

Unit-Wise Division:

Section 'A'	
Understanding Culture	
Unit: I	1. What is culture? Culture and Civilization 2. What is 'Indian' culture? 3. Culture in a multi-cultural society
Unit: II	1. Vedic sabhyata 2. Sindhu sabhyata 3. Sanskrit in Indo-Islamic tradition – (Proceedings of the Sagar University seminar on 'Islām kā Sanskrit paramparā ko yogadāna')
Unit: III	1. Pandavani, 2. Versions of the Rāma legend in Sanskrit literature – Vālmīki's Rāmāyaṇa, Bhāsa's Pratimā nāṭakam, Bhavabhūti's Uttarāma caritam, Raghuvamśam of Kalidasa, Somadeva's Kathāsaritsāgara, Rāmāyaṇa mahjari of Rājaśekhara etc. 3. Ritusamhāra in folk music 4. Sanskrit themes in traditional dance forms in Kerala 5. Yakṣagan 6. Gītagovinda and Odissi 7. Major agricultural and seasonal festivals of India and the Indian calendar – Bihu, Holi, Pongal, Makar Saṁkrāntī, Lohari, Onam, Baisakhi, Śrāvaṇī Pūrṇimā

Section 'B'

Social Issues

	Law and change – Dharma as an ever evolving phenomenon <i>Manusmṛti</i> , Chapter 2, verses 6 and 12 with the commentary of Medhātithi :
Unit: I	Lingat, Robert : <i>Classical Law of India</i> , Chapter 1, pp 3-7; tradition – pp 9-14 ; good customs – 14-17. Mathur, A.D. : <i>Medieval Hindu Law</i> , Chapter I, pp 1-8
Unit: II	Caste – Voices of challenge Traditional <i>varṇa</i> hierarchy <i>Vajrasūcī</i> by Aśvaghoṣa Identity of women 6 hrs. Draupadī's question– Mahābhārata, <i>Sabhā Parva</i> -- <i>Dyūta Parva</i> (sanskritdocuments.org) Chapter 66 - Duryodhana asks Draupadī to be brought to the court 1; Vidura's protest 2, 4 ; Chapter 67 – Duryodhana asks Pratikāṃī to fetch Draupadī 2; Draupadī's refusal and question 5-10, 16 ; Yudhiṣṭhira's response 39-41 ; Bhīṣma's response 47-49 ; Draupadī's Rejoinder 50-52 ; Vikarṇa's statement, chapter 68, verses 12-17 Karṇa to Vikarṇa – 27-31, 35.
Unit: III	Struggle to secure women's right to property 8 hrs. <i>Yājñavalkya Smṛti</i> , <i>Vyavahārādhyāya</i> : Verse 135 with Vijñāneśvara's commentary (section on <i>patnī</i>)
Unit IV	

[D] Recommended Books/Readings:

1. उपाध्याय बलदेव, वैदिक साहित्य और संस्कृति
2. मध्यप्रदेश हिन्दी अकादमी, प्राचीन भारतीय सामाजिक एवं आर्थिक संस्थायें भोपाल, 1976
3. पाण्डेय राजबली, हिन्दू संस्कार, चौखम्बा विद्या भवन
4. ज्ञानी शिवदत्त, भारतीय संस्कृति,
5. बाशम ए. ल. अद्भुत भारत
6. Basham A.L. . Wonder that was India
7. Bharadwaj, Ramesh: *Vajrasūcī of Aśvaghoṣa (Varṇa-Jāti through the Ages)*. Vidyanidhi, Delhi
8. Gharpure, J.R., *Teaching of Dharmaśāstra*, Lucknow University, 1956, pp. 1-25.
9. Lingat Robert, *Classical Hindu Law*,
10. Majumdar R.C., *History and Culture of the Indian People*, Volume I (Vedic Age), Bhartiya Vidya Bhawan, Mumbai,
11. Mathur A.D., *Medieval Hindu Law*, Oxford University Press, New Delhi 2006

12. Sharma Braj Narain, Social Life in Northern India, New Delhi, 1966
13. Sharma Brijendra Nath, Social and Cultural History of Northern India, New Delhi, 1972
14. Sharma, S.L., Smṛtis, A Philosophical Study, Eastern Book Linkers, Delhi, 2013, pp. 62-74.
15. *Pandey Raj Bali: Hindu Sanskara, (English) Delhi, 2nd Revised Edition 1969, Reprinted 1991*
16. Prabhu, P.H., Hindu Social Organisation, Popular Prakashan, Mumbai, 1998, pp. 257-283.
17. Rama Krishna Mission, The Cultural Heritage of India, Calcutta
18. Yadav B.N. S., Society and Culture in Northern India, Allahabad, 1973
19. Basham A.L. . Wonder that was India
20. Gharpure, J.R., Teaching of Dharmasastra, Lucknow University, 1956, pp. 1-25.
21. Lingat Robert, Classical Hindu Law,
22. Majumdar R.C., History and Culture of the Indian People, Volume I (Vedic Age), Bhartiya Vidya Bhawan, Mumbai,
23. Mathur A.D., Medieval Hindu Law, Oxford University Press, New Delhi 2006
24. Sharma Braj Narain, Social Life in Northern India, New Delhi, 1966
25. Sharma Brijendra Nath, Social and Cultural History of Northern India, New Delhi, 1972
26. Sharma, S.L., Smṛtis, A Philosophical Study, Eastern Book Linkers, Delhi, 2013, pp. 62-74.
27. *Pandey Raj Bali: Hindu Sanskara, (English) Delhi, 2nd Revised Edition 1969, Reprinted 1991*
28. Prabhu, P.H., Hindu Social Organisation, Popular Prakashan, Mumbai, 1998, pp. 257-283.
29. Rama Krishna Mission, The Cultural Heritage of India, Calcutta
30. Yadav B.N. S., Society and Culture in Northern India, Allahabad, 1973

Or

GE-2: Sanskrit and other Modern Indian Languages

Credits 06

GE2T: Sanskrit and other Modern Indian Languages

Course Content:

Section 'A' Indo-Aryan Languages

Section 'B' Philology

Section 'C' Literature

Unit-Wise Division:

Section 'A'

Indo-Aryan Languages

Unit: I Stages of Indo-Aryan - Old Indo-Aryan, Middle Indo-Aryan Stages of development in the present day

Section 'B'

Philology

Unit: I Phonetics of Sanskrit and other Modern Indian Languages

Unit: II Morphology of Sanskrit and other Modern Indian Languages

Unit: III Syntax of Sanskrit and other Modern Indian Languages

Section 'C'

Literature

Unit: I Sanskrit as a source of Modern Indian Literature

Unit: II Vernacular Languages as a source of enrichment of Sanskrit

[D] Recommended Books/Readings:

1. Beames, John, A Comparative Grammar of the Modern Aryan Languages of India, Munshiram Manoharlal, Delhi, 1970.
2. Cardona, Geoge and Jain Dhanesh (Ed.), The Indo-Aryan Languages, Routledge Language Family Series, London, 2003.
3. Chatterji, Suniti Kumar, Indo-Aryan and Hindi, Gujarat Vernacular Society, Ahmedabad, 1942.
4. Chatterji, Suniti Kumar, Origin and Development of the Bangali Language, Calcutta University Press Calcutta, 1926.

5. Turner, R.L., Indo-Aryan Linguistics. Diksha Publication, Delhi, 1985.
6. Coldwell, Robert, A comparative Grammar of Dravidian or South Indian Family of Languages, (3rd revised edn.) Munshiram Manoharlal, Delhi, 1970
7. नगेन्द्र, भारतीय साहित्य, प्रभात प्रकाशन, दिल्ली, 1987

Or

GE-2: Indian Epigraphy & Paleography

Credits 06

GE-2: Indian Epigraphy & Paleography

Course Contents:

Section 'A'

Study of selected Inscriptions

Section 'B'

Indian Palaeography

Section 'C'

Brahmi script and history of the study of Indian Epigraphy

Section 'A'

Study of selected Inscriptions

Unit: I:

1. Aśokan edicts & moral values:

a) Samāja b) Suśrūsā c) Āikitsā d) Stryadhyakṣamahāmātrā

2. Dhamma - according to Aśoka

3. Aśokan edicts administrative Officers

a) rajjuka b) Yukta c) dharma- mahāmātra

4. Welfare state: repair of dam, mati-saśiva, karma-saśiva in Junagadh Inscription of Rudradāman

Unit: II

1. Eran Pillar Inscription:

Status of Samudragupta

2. Meharauli Iron Pillar Inscription of Āandra:

- Reaction of sub-ordinate rulers after the death of Samudragupta
- Mighty Āndragupta (II)

3. Influence of the Āhmāna ruler, Vīsaladeva as depicted in the Delhi-Topra Pillar Inscription

Section 'B'
Indian Palaeography

Unit: I

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 c) Society d) Religion
- e) Literature f) Economic Conditions g) Administration

Unit: II

1. Types of Inscriptions:

- a) Praśasti b) Religious c) Donations d) Grants

2. Writing material:

- a) Rocks b) Pillars c) Metal Plates d) Statues e) Pen, Brush, Chisel, Stylus, Paint/Colour

Section 'C'
Brāhmī script and history of study of Indian Epigraphy

Unit: I

1. Origin of the Brāhmī Script

- a) Foreign Origin b) Indian Origin
 - a.1. Greek origin a.2. Phoenician origin
 - b.1. Theory of South Indian Origin b.2. Theory of Aryan Origin.

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

3. Varieties of the Brāhmī script.

Unit: I

1. History of reading of Indian Inscriptions.

2. Contribution of Epigraphists: G.H. Ojha, Fleet, Princep, D.C. Sircar, Cunningham, Buhler.

3. System of dating and use of eras: Vikram Era, Śaka Era, Gupta Era, Harśa Era.

Unit: II **Ethics:** Karma & Punarjanma theory, Liberation

Recommended Readings:

1. Bhandarkar, D.R., Aśoka (Hindi)
2. Buhler, G, On the origin of the Indian alphabet & numerals.
3. Dani, A. H, Indian Paleography
4. Ojha, G. H, Bhāratīya Prācīna Lipimāla (Hindi)
5. Pandey, R.B, Aśoka ke Abhilekha (Hindi), Bhāratīya Purālīpi (Hindi)
6. Rana, S.S., Bhāratīya Abhilekha
7. Sircar, D.C., Indian Epigraphy
8. K.D. Bajpeyi (trans.), Indian Epigraphy, - Bhāratīya Purālīpi)
9. Select Inscriptions (Part - I)
10. Upadhyay, V., Prācīna Bhāratīya Abhilekha (Hindi)
11. Thapar, Romila, Asoka tathā Maurya Sāmrajya Ka Patana (Hindi)

Vidyasagar University

Curriculum for B.A (Honours) in Sanskrit [Choice Based Credit System]

Semester-III

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC-5		C5T: Classical Sanskrit Literature (Drama)	Core Course - 5	5	1	0	6	75
CC-6		C6T: Poetics and literary criticism	Core Course - 6	5	1	0	6	75
CC-7		C7T: Indian Social Institutions and Polity	Core Course - 7	5	1	0	6	75
GE-3		TBD	Generic Elective -3				6	75
SEC-1		SEC1T: Acting and Script Writing Or SEC1T: Reading skills in Brāhmī Scripts	Skill Enhancement Course-1	1	1	0	2	50
Semester Total							26	350

L=Lecture, **T**= Tutorial, **P**=Practical, **CC** = Core Course, **GE**= Generic Elective, **SEC** = Skill Enhancement Course, **TBD** = to be decided

Generic Elective (GE)(Interdisciplinary) from other Department.

Modalities of selection of Generic Electives (GE): A student shall have to choose **04** Generic Elective (GE1 to GE4) strictly from **02** subjects / disciplines of choice taking exactly **02** courses from each subjects of disciplines. Such a student shall have to study the curriculum of Generic Elective (GE) of a subject or discipline specified for the relevant semester.

List of the Core Course (CC) and Electives

Core Course (CC)

CC-5: Classical Sanskrit Literature (Drama)

CC-6: Poetics and literary criticism

CC-7: Indian Social Institutions and Polity

Skill Enhancement Course(SEC)

SEC-1: Acting and Script Writing

Or

SEC-1: Reading skills in Brāhmī Scripts

Generic Electives (GE)

GE-3: Indian Aesthetics

Or

GE-3: Fundamentals of Indian Philosophy

Or

GE-3: Ancient Indian Polity

Semester-III

Core Courses (CC)

CC-5: Classical Sanskrit Literature (Drama)

Credits 06

C5T: Classical Sanskrit Literature (Drama)

Course Contents:

Section A: Svapnavāsavadattam– Bhāsa Act I & VI

Section B: Abhijñānaśākuntalam– Kālidāsa I & IV

Section C: Mudrārāṣasam - Viśākhadatta I, II & III

Section D : Critical survey of Sanskrit Drama

Section A

Svapnavāsavadattam– Bhāsa Act I & VI

Unit: I

Svapnavāsavadattam: Act I & VI Story, Meaning/Translation and Explanation.

Unit: II

Svapnavāsavadattam: Unique features of Bhāsa's style, Characterization, Importance of 1st and 6th Act, Society, Norms of Marriage, Story of 'regains'. आसोहासः

Section B

Abhijñānaśākuntalam– Kālidāsa I & IV

Unit: I

Abhijñānaśākuntalam : Act I- (a) Introduction, Author, Explanation of terms like nāndī, prastāvanā, sūtradhāra, naṭī, viṣkambhaka, vidūṣaka, kañcukī, (b) Text Reading (Grammar, Translation, Explanation), Poetic excellence, Plot, Timing of Action. Personification of nature, Language of Kālidāsa, dhvani in Upamā Kālidāsa, Purpose and design behind Abhijñānaśākuntalam and other problems related to texts, popular saying about Kālidāsa & Śākuntalam .

Unit: II

Abhijñānaśākuntalam Act IV- Text Reading (Grammar, Translation, Explanation), Poetic excellence, Plot, Timing of Action.

Section C

Mudrārākṣasam - I, II & Viśakhadatta III

Unit: I

Mudrārākṣasam: Act I – (a) Introduction, Author, Purpose and design behind Mudrārākṣasa. (b) Text Reading prescribed verses for translation and explanation- 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 14, 16, 18, 19, 21, 22, 24, 26, 27. (Grammar, Translation, Explanation), Poetic excellence, Plot, Timing of Action.

Unit: II

Mudrārākṣasam: Act II - prescribed verses for translation and explanation- 1, 3, 4, 5, 7, 8, 9, 10, 13, 15, 16, 17, 18, 19, 22, and 23, Text Reading (Grammar, Translation, Explanation), Poetic excellence, Plot, Timing of Action.

Unit: III

Mudrārākṣasam: Act III - prescribed verses for translation and explanation- 1, 3, 4, 6, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 29, 31 and 33. Text Reading (Grammar, Translation, Explanation), Poetic excellence, Plot, Timing of Action.)

Section D

Critical survey of Sanskrit Drama

Unit-I: Sanskrit Drama: Origin and Development, Nature of Nāṭaka,

Unit-II: Some important dramatists and dramas: Bhāsa, Kālidāsa, Śūdraka, Viśākhadatta, Śrī Harṣa, Bhavabhūti, Bhaṭṭanārāyaṇa and their works.

Suggested Readings:

1. सुबोधचन्द्र पण्डित, अणभञ्जानशाकुन्तलम्, मोतीलाल बनारसीदास, ददली
2. सुरेन्द्रदत्त शास्त्री, रामनारायण बेनीप्रसाद, अणभञ्जानशाकुन्तलम्, इलाहाबाद
3. नारायणराम आचार्य, अणभञ्जानशाकुन्तलम्, णणायसागर प्रेस
4. C.R.Devadhar(Ed.), Abhijñānaśākuntalam, MLBD, Delhi.
5. M.R. Kale(Ed.), Abhijñānaśākuntalam, MLBD, Delhi.
6. Gajendra Gadakar(Ed.), Bose, Ramendramohan, Abhijñānaśākuntalam, Modern Book Agency, 10 College, Square, Calcutta.
7. जयपाल णवद्याल कार, स्वप्नवासवदत्तम्, मोतीलाल बनारसीदास, ददली
8. M.R. Kale(Ed.), Svapnavāsavadattam , M.L.B.D., Delhi.
9. जगदीशचन्द्र णमश्र, मुराराक्षसम्, चौखम्बा णवद्याभवन, वाराणसी
10. णनरूपण णवद्याल कार, मुराराक्षसम्, साणहत्य भण्डार मरेठ

11. रमाश कर णिपाठी, मुराराक्षसम्, वाराणसी!
12. M.R. Kale(Ed.), Mudrārākṣasam, MLBD, Delhi.
13. K.T.Telang(Ed.), Mudrārākṣasam, Nag Publishers, Delhi.
14. रमाश कर णतवारी, महाकणव काणलदास
15. भगवतशरण, उपाध्याय, काणलदास, कणव और काव्य, भारतीय ज्ञानपीठ, काशी.
16. हजारीप्रसाद णिवेदी, काणलदास की लाणलत्य योजना , राजकमल प्रकाशन, ददलली
17. प कज कुमार, णमश्र शाकुन्दतलणवषयक रम्यत्व की अवधारणा , पररमल पणललकेशन, ददलली
18. Minakshi Dalal, Conflict in Sanskrit Drama, Somaiya Publication Pvt. Ltd.
19. Ratnamayi Dikshit, Women in Sanskrit Dramas, Meherchand Lachhman Das, Delhi.
20. A.B. Keith, Sanskrit Drama, Oxford University Press London, 1970.
21. Minakshi Dalal, Conflict in Sanskrit Drama, Somaiya Publication Pvt. Ltd.
22. G. K. Bhat, Sanskrit Drama, Karnataka University Press, Dharwar 1975
23. Henry W. Wells, Six Sanskrit Plays, Asia Publishing House, Bombay

CC- 6: Poetics and literary criticism

Credits 06

C6T: Poetics and literary criticism

Course Contents:

- Section A: Introduction to Sanskrit poetics
- Section B: Forms of Kāvya-Literature
- Section C: Śabda-śakti (Power of Word) and rasa-sūtra
- Section D: Alaṃkāra (figures of speech) and chandasa (metre)

Section A

Introduction to Sanskrit Poetics

Unit: I

Introduction to poetics: Origin and development of Sanskrit poetics, its various names- kriyākālpa, alaṅkāraśāstra, sāhityaśāstra, saundryaśāstra.

Unit: II

Definition (lakṣaṇa), objectives (prayojana) and causes (hetu) of poetry. (according to kāvyaprakāśa)

Section B

Forms of Kāvya-Literature

Unit: I

Forms of poetry: drśya, śravya, miśra, (campū)

Unit: II

Mahākāvya, khaṇḍakāvya, gadya-kāvya: kathā, ākhyāyikā (according to Sāhityadarpaṇa)

Section C

Śabda-śakti and rasa-sūtra

Power/Function of word and meaning (according to kāvyaprakāśa). abhidhā (expression/ denotative meaning), lakṣaṇā (indication/ indicative meaning) and vyañjanā (suggestion/ suggestive meaning).

Unit: II

Rasa: rasa-sūtra of Bharata and its prominent expositions: utpattivāda, anumitivāda, bhuktivāda and abhivyaktivāda, alaukikatā (transcendental nature) of rasa (as discussed in Kāvyaaprakāśa).

Section D

Figures of speech and Meter

Unit: I

Figures of speech- anuprāsa, yamaka, śleṣa, upamā, rūpaka, sandeha, bhrāntimān, apahnuti, utprekṣā, atīśayokti, tulyayogitā, dīpaka, drṣṭānta, nidarśanā, vyatireka, samāsokti, svabhāvokti, aprastutaprasāmsā, arthāntaranyāsa, kāvyalinga, vibhāvanā.

Unit: II

Metres- anuṣṭup, āryā, indravajrā, upendravajrā, drutavilambita, upajāti, vasantatilakā, mālinī, mandākrāntā, śikharīṇī, śārdūlavikrīḍita, sragdharā.

Suggested Readings:

1. Alāṅkāra according to Sāhityadarpaṇa (Ch. X) and metres according to prescribed texts of poetry and drama.
2. Dwivedi, R.C, The Poetic Light: , Motilal Banarsidas, Delhi.1967.
3. Kane P.V., History of Sanskrit Poetics pp.352-991,
4. Kane, P.V., 1961, History of Sanskrit Poetics and its Hindi translation by Indrachandra Shastri, Motilal Banarasidas, Delhi.
5. Kāvyaaprakāśa, kārikās 4/27, 28 with explanatory notes.
6. Ray, Sharad Ranjan, Sāhityadarpaṇa; Viśvanātha, (Ch I,VI & X) with Eng. Exposition, Delhi.
7. Sāhityadarpaṇa: (Ch.VIth), Kārikā 6/1,2,313-37

8. नगेन्द्र , (स ०) , काव्यप्रकाश : मम्मटकृत , आचाया णवश्वश्वेर की व्याख्या सणहत , ज्ञानम डल णल० , वाराणसी 52.
9. शाणलग्राम शास्त्री , साणहत्यदपाण : (व्या०) , मोतीलाल बनारसीदास , ददलली.
10. बलदवे उपाध्याय , सस्कृत — आलोचना , णहन्ददी सणमणत , सूचना णवभाग , उ. प्र. , 1963.

CC-7: Indian Social Institutions and Polity

Credits 06

C7T: Indian Social Institutions and Polity

Course Contents:

- Section A: Indian Social Institutions: Nature and Concepts
- Section B: Structure of Society and Value of Life
- Section C: Indian Polity: Origin and Development
- Section D: Cardinal Theories and Thinkers of Indian Polity

Section A

Indian Social Institutions: Nature and Concepts

Unit: I

Indian Social Institutions: Definition and Scope:

Sociological Definition of Social Institutions. Trends of Social Changes, Sources of Indian Social Institutions (Vedic Literature, Sūtra Literature, Purāṇas, Rāmāyaṇa , Mahābhārata ,Dharmaśāstras, Buddhist and Jain Literature, Literary Works, Inscriptions, Memoirs of Foreign Writers)

Unit: II

Social Institutions and Dharmaśāstra Literature:

Dharmaśāstra as a special branch of studies of Social Institutions, sources of Dharma (Manusmṛti, 2, 12; Yājñavalkyasmṛti,1.7).

Different kinds of Dharma in the sense of Social Ethics Manusmṛti, 10, 63; Viṣṇupurāṇa 2.16-17); Six kinds of Dharma in the sense of Duties (Mitākṣarāṭīkā on Yājñavalkyasmṛti,1.1).

Tenfold Dharma as Ethical Qualities (Manusmṛti, 6. 92); Fourteen – Dharmasthānas (Yājñavalkyasmṛti, 1.3)

Section B

Structure of Society and Values of Life

Unit: 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 (Bhagvadgītā, 4.13, 18.41-44).

Origin of Caste-System from Inter-caste Marriages (Mahābhārata, Anuśāsanaparva, 48.3-11);

Emergence of non-Aryan tribes in Varṇa-System (Mahābhārata, Śāntiparva, 65.13-22).

Social rules for up-gradation and down-gradation of Caste System (Āpastambadharmasūtra, 2.5.11.10-11, Baudhāyanadharmasūtra, 1.8.16.13-14, Manusmṛti, 10, 64, Yājñavalkyasmṛti, 1.96)

Unit: II

Position of Women in the Society :

Brief survey of position of women in different stages of Society.

Position of women in Mahābhārata (Anuśāsanaparva, 46.5-11, Sabhāparva, 69.4-13.

Praise of women in The Bṛhatsamhitā of Varāhamihira (Strīprasamsā, chapter-74.1-10)

Unit: III

Social Values of Life:

Social Relevance of Indian life style with special reference to Sixteen Saṃskāras.

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

Four Āśramas - 1. Brahmacharya, 2. Gṛhastha, 3. Vānaprastha, 4. Saṃnyāsa.

Section C

Indian Polity : Origin and Development

Unit: I

Initial stage of Indian Polity (from Vedic period to Buddhist period).

Election of King by the people: 'Viśas' in Vedic period (Ṛgveda, 10.173; 10.174; Atharvaveda, 3.4.2; 6.87.1-2).

Parliamentary Institutions: ‘Sabhā, ‘Samiti’ and ‘Vidatha’ in Vedic period (Atharvaveda, 7.12.1; 12.1.6 ; R̥gveda , 10.85.26);

King-maker ‘Rājākartārah’ Council in Atharvaveda (3.5.6-7), Council of ‘Ratnis’ in śatapathabrāhmaṇa (5.2.5.1);

Coronation Ceremony of Samrāt in śatapathabrāhmaṇa (51.1.8-13; 9.4.1.1-5).

Republic States in the Buddhist Period (Digghnikāya, Mahāparinibbana Sutta, Aṅguttaranikāya, 1.213; 4.252, 256)

Unit: II

Later Stages of Indian Polity (From Kauṭilya to Mahatma Gandhi).

Concept of Welfare State in Arthaśāstra of Kauṭilya (Arthaśāstra, 1.13 : ‘matsyanyāyābhibhūṭh’ to ‘yo’ asmāṅgopāyatīti’);

Essential Qualities of King (Arthaśāstra, 6.1.16-18: ‘sampādayatyasampannaḥ’ to ‘jayatyeva na hīyate’);

State Politics ‘Rajadharma’ (Mahābhārata , Śāntiparva, 120.1-15; Manusmṛti, 7.1-15; Śukranīti, 1.1-15);

Constituent Elements of Jain Polity in Nitivākyāmr̥ta of Somadeva Suri, (Daṇḍanīti- samuddeśa, 9.1.18 and Janapada- samuddeśa, 19.1.10).

Relevance of Gandhian Thought in Modern Period with special reference to ‘Satyāgraha’ Philosophy (‘Satyāgrahagītā’ of Panditā Kṣamārāva and ‘Gandhi Gītā’, 5.1-25 of Prof. Indra)

Section D

Cardinal Theories and Thinkers of Indian Polity

Unit: 1

Cardinal Theories of Indian Polity: ‘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).

‘Maṇḍala’ Theory of Inter-State Relations: 1. Ari, 2. Mitra, 3. Ari-mitra, 4. Mitra- mitra, 5. Ari-mitra-mitra;

‘Śāḍgunya’ Policy of War and Peace : 1. Sandhi, 2. Vighraha, 3. Yāna, 4. Āsana, 5. Saṁśraya 6. Dvaidhibhāva.

‘CaturvidhaUpāya’ for Balancing the power of State : 1. Sāma 2. Dāma, 3. Daṇḍa. 4. Bheda;

Three Types of State Power ‘Śakti’: 1. Prabhu- śakti, 2. Mantra- śakti, 3. Utsāha-śakti.

Unit: II

Important Thinkers on Indian Polity:

Manu, Kautilya, Kāmandaka, Śukrācārya, SomadevaSuri, Mahatma Gandhi.

Suggested Readings:

1. Āpastambadharmasūtra - (Trans.), Bühler, George, The Sacred Laws of the Āryas, SBE Vol. 2, Part 1, 1879
2. Arthashastra of Kautilya - (Ed.) Kangale, R.P. Delhi, Motilal Banarasidas 1965
3. Atharvavedasamhitā - (Trans.) R.T.H. Griffith, Banaras, 1896-97, rept.(2 Vols) 1968.
4. Baudhāyanadharmasūtra - (Ed.) Umesha Chandra Pandey, Chowkhamba Sanskrit Series Office, Varanasi, 1972.
5. Mahābhārata (7 Vols) - (Eng. Tr.) H.P. Shastri, London, 1952-59.
6. Manu's Code of Law - (Ed. & Trans.) Olivelle, P. (A Critical Edition and Translation of the Manava- Dharmasāstra), OUP, New Delhi, 2006.
7. Rāmāyaṇa of Vālmīki — (Eng. Tr.) H.P. Shastri, London, 1952-59. (3 Vols)
8. Ṛgvedasamhitā (6 Vols)- (Eng. Tr.) H.H. Wilson, Bangalore Printing & Publishing Co., Bangalore, 1946.
9. Śatapathabrāhmaṇa - (with Eng. trans. ed.) Jeet Ram Bhatt, Eastern (3 Vols), BookLinkers, Delhi, 2009.
10. Viṣṇupurāṇa - (Eng. Tr.) H.H. Wilson, PunthiPustak, reprint, Calcutta, 1961.
11. Yājñavalkyasmṛiti with Mitākṣarā commentary - Chowkhamba Sanskrit Series Office, Varanasi, 1967
12. अ गुत्तरणनकाय (1—4 भाग) कच बनारसकच 1980।
13. कौरटलीय अथाशास्त्र—णहन्ददी अनुवाद—उदयवीर शास्त्री, मेहरचन्द लछमनदास, ददलली, 1968।
14. ददगघणनकाय (1—2 भाग)—सम्पा० जे० कश्यपणबहारकच 1958।
15. नीणतवाक्यामृतम्—सोमदेवसूरणवरणचत, व्या० रामचन्द्र मालवीय, चौखम्बा णवघाभवन, वाराणसी, 1972।
16. बृहत्स णहता—वराहणमणहरणवरणचत, णहन्ददी अनुवाद—बलदेवप्रसाद णमश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुम्बई।
17. महाभारत (1-6 भाग)-णहन्ददी अनुवादसणहत, (अनु०) रामनारायण दत्त शास्त्री पाण्डेय, गीताप्रेस, गोरखपुर।
18. मनुस्मृणत (1-13 भाग) — (सम्पा० एव व्या०) उर्ममला रुस्तगी, जे.पी. पणललशशग हाउस, ददलली, 2005।
19. णवष्णुपुराण-णहन्ददी अनुवादसणहत, (अनु०) मुणनलाल गुप्त, गीताप्रेस, गोरखपुर।
20. शतपथब्राह्मण (1-5 भाग)—(माध्यणन्दनीय शाखा) —सायणाचाया एव हररस्वामीटीकासणहत, ददलली, 1987.
21. शुक्रनीणत-णहन्ददी अनुवाद, ब्रह्मश कर णमश्र, चौखम्बा स स्कृतसीरीज, वाराणसी, 1968।
22. सत्याग्रहगीता—पणण्डता क्षमाराव, पेररस, 1932।
23. नाटाणी, प्रका नारायण—प्राचीनभारत के राजनीततक विचारक, पोइन्टरपब्लि सम, जयपुर, 2002।

24. ससन्हा विनोद एि ससन्हा रेखा—प्राचीन भारतीय इततहास एि राजनैतक चन्तन, राधा
25. Altekar, A.S - State and Government in Ancient India, MotilalBanarsidass, Delhi, 2001.
26. Altekar, A.S - The Position of Women in Hindu Civilization, Delhi, 1965.
27. Belvalkar, S.K.- Mahābhārata :Śāntiparvam, 1954.
28. Bhandarkar , D.R. - Some Aspects of Ancient Indian Hindu Polity,Banaras Hindu University
Bharadwaj, Ramesh: Vajrasūcī of Aśvaghōṣa (Varṇa-Jāti through the Ages), Vidyānidhi, Delhi
29. Gharpure, J.R. - Teaching of Dharmaśāstra, Lucknow University,1956.
30. Ghosal, U.N. - A History of Indian Political Ideas, Bombay,1959.
31. Jayaswal, K.P.- Hindu Polity, Bangalore, 1967.
32. Jha, M.N. -Modern Indian Political Thought, MeenakshiParkashan, Meerut, UP.
33. Law, N. S. - Aspect of Ancient Indian Polity, Calcutta, 1960.
34. Maheshwari, S. R. -Local Government in India, Orient Longman, New Delhi,
35. Mehta, V.R. - Foundations of Indian Political Thought, Manohar Publisher, Delhi, 1999.
36. Pandey, G.C.-Jaina Political Thought, Jaipur Prakrit Bharti, 1984.
37. Prabhu, P.H.- Hindu Social Organisation, Popular Prakashan, Mumbai, 1998
38. Prasad, Beni - Theory of Government in Ancient India, Allahabad, 1968.
39. Saletore, B.A. - Ancient Indian Political Thought and Institutions, Bombay, 1963.
40. Sharma, R. S. - Aspects of Political Ideas and Institutions in Ancient India,
41. MotilalBanarsidass, Delhi, 1996.
42. Sharma, S.L. -Smṛtis, A Philosophical Study, Eastern Book Linkers, Delhi, 2013
43. Singh, G.P. & Singh, S.Premananda - Kingship in Ancient India: Genesis and Growth,Akansha
Publishing House, Delhi, 2000.
44. Sinha, K.N. - Sovernity in Ancient Indian Polity, London,1938.
45. Valavalkar, P.H. — Hindu Social Institutions, Manglore, 1939

Skill Enhancement Course (SEC)

SEC-1: Acting and Script Writing

Credits 02

SEC1T: Acting and Script Writing

Course Contents:

Section A: Acting (Abhinaya)

Section B: Script Writing (Paṭakathālekhaṇa)

Section A

Acting (Abhinaya)

Unit: I

- a. Persons competent for presentation (acting) :
kuśala (skilful), vidagdha (learned), pragalbha (bold in speech), jitaśramī (inured to hard-work) .
- b. Lokadharmī and Nātyadharmī Abhinaya
- c. Nātya-prayoktā-gaṇa (members of theatrical group) :
sūtradhāra (director), nāṭyakāra (playwrighter), naṭa (actor) kuśīlava (musician), bharata, nartaka (dancer), vidūṣaka (jester) etc.

Unit: II

(i.) Assignment of role:

- a. General principles of distribution
- b. Role of minor characters
- c. Role of women characters
- d. Special cases of assigning of role

(ii.) Kinds of roles: anurūpa (natural), virūpa (unnatural), rūpānusariṇī (imitative)

Unit: III

Definition of abhinaya and its types:

- a. Āṅgika (gestures): aṅga, upāṅga and pratyāṅga
- b. Vācika(oral): svara, sthāna, varṇa, kāku, bhāṣā .
- c. Sāttvika (representation of the Involuntary gestures)
- d. Āhārya: pusta, alaṅkāra, aṅgaracanā, sañjīva (dresses and make-up)

Section B

Script Writing

Unit: I

Types of dramatic production:

sukumāra (delicate), āviddha (energetic).

Nature of plot (vastu): Ādhikārika (principal), Prāsaṅgika (subsidiary), Dṛśya (presentable), Sūchya (restricted scenes).

Unit: II

Division of Plot

- a. Source of plot: Prakhyāta (legendary), Utpādyā (invented), Miśra (mixed);
- b. Objectives of plot- Kārya (dharma, artha, kāma);
- c. Elements of plot- Five kinds of Arthaprakṛtis (caustations), Kāryāvasthā (stages of the action of actor); Sandhis (junctures) and their sub-divisions (segments)
- d. Five kinds of Arthopakṣepaka (interludes);

Unit: III

Dialogue writing: kinds of saṁvāda (dialogue)

- a. Sarvaśrāvya or Prakāśa (aloud)
- b. Aśrāvya or Svagata (aside)
- c. Niyataśrāvya : Janāntika (personal address), Apavārita (confidential)
- d. Ākāśabhāṣita (conversation with imaginary person).

Unit: IV

- a. Duration of play
- b. Three Unities: Time, Actions and place.
- c. Starting of a play: Pūrvaraṅga –Raṅgadvāra, Nāndī, Prastāvanā, Prarocanā.
- d. Analysis of acting, plot and dialogue in the context of Abhijñānaśākuntalam.

Suggested Readings:

1. Ghosh, M.M.: Nāṭyaśāstra of Bharatamuni.
2. M.M. Ghosh, Nāṭyaśāstra of Bharatamuni, vol-1, Manisha Granthalaya, Calcutta, 1967.
3. Hass, The Daśarūpaka : A Treatise on Hindu Dramaturgy, Columbia University, NewYork , 1912.
4. Adyarangachrya, Introduction to Bharata's Nāṭyaśātra, Popular Prakashan Bombay, 1966.
5. हजारी प्रसाद , णिवेदी , नाट्यशास्त्र की भारतीय प रपरा और दशरूपक , राजकमल प्रकाशन ददलली ,1963.
6. राधावल्लभ , णिपाठी , भारतीय नाट्यशास्त्र की परम्परा और णवश्व र गम च , प्रणतभा प्रकाशन , ददलली ,1999.
7. राधावल्लभ , णिपाठी , भारतीय नाट्य स्वरूप और पर परा , हररशसह गौर णवश्वणवघालय , सागर , 1988.
8. वाचस्पणत , गैरोला — भारतीय नाट्यपरम्परा और अणभनयदपाण , इलाहाबाद , 1967.

Or

SEC-1: Reading skills in Brāhmī Scripts

Credits 02

SEC1T: Reading skills in Brāhmī Scripts

Course Contents:

Section A: Brāhmī Alphabet

Section B: Translation

Section C: Kind of Scripts

Section A

Brāhmī alphabets

Unit: I:

Early Brāhmī alphabet - Aśokan period

Section B

Translation to variations – up to 4th century C.E

Unit: I

Translation to variations – up to 4th century C.E.

Section C

Kind of script

Unit - I: North Indian

Unit - II: South Indian

Unit - III: East Indian

Unit - IV: West Indian

Unit - V: Vākāṭaka variety

Suggested Readings:

1. Dani, A.H. Indian Paleography, 1963
2. Upasak, C.S. History & Paleography of Mauryan Brāhmī Script, 1960
3. Verma, T.P. Paleography of Brāhmī script in North India, 1971
4. ओझा, गौ. ही. भारतीय प्राचीन णलणपमाला
5. पाण्डये, राजबली : अशोक के अणभलेख, 1967

Generic Electives (GE)

GE-3: Indian Aesthetics

Credits 06

GE3T: Indian Aesthetics

Course Contents:

- Section A: Aesthetics (Saundaryaśāstra), its nature and components
Section B: Aesthetic experience (Rasa) and its process
Section C: Aesthetic elements (saundarya - tattva)
Section D: Prominent thinkers on Aesthetics

Section A

Aesthetics (Saundaryaśāstra), its nature and components

Unit: I

Beauty (Saundarya): its definition, nature and components: vāya, rūpa, vacana, hāva

Unit: II

Discussion of synonyms of the term Beauty (Saundarya) : ramaṇīyatā, śucitā, lāvaṇya, cārutā, kānti, vicchitti, madhuratā, mugdhatā, manohāritā, śrī.

Section B

Aesthetic experience (Rasa) and its process

Unit: I

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

Unit: II

Constituents of rasa: bhāva (human feelings and emotions) vibhāva (causes or determinants), anubhāva (voluntary gestures), sātṭvika bhāva (Involuntary gestures), vyabhicāri bhāva (transitory states) and sthāyibhāva (basic mental states), sahrdaya / sāmājika (Connoisseur / Spectator). anukārya, anukartā.

Unit: III

sādhāraṇīkaraṇa (Generalization), four mental stages of rasa realization: vikāsa (cheerfulness), vistāra (exaltation), kṣobha (agitation), vikṣepa (perturbation). Number of rasas according to Bharat.

Section C

Aesthetic elements (saundarya - tattva)

Unit: I

Art as the mode of expression of saundarya –in fine arts (Architecture, Sculpture and Painting).

Unit: II

Main aesthetic elements of literary arts (Poetry and Drama) : alāṅkāra, rīti, dhvani, vakrokti & aucitya.

Section D

Prominent thinkers of Indian Aesthetics

Unit: I

Bharata, Bhāmaha, Vāmana, Daṇḍī, Ānandavardhana Abhinavagupta, Kuntaka, Mahimabhaṭṭa, Kṣemendra, Vishvanātha and Jagannātha.

Unit: II

Perception of beauty in Drama from cultural, social and aesthetical point of view in the context of Abhijñānaśākuntalam.

Suggested Readings:

1. Sāhityadarpaṇa of Vishvanatha, (Based on karikas3/1-28).
2. Kane P.V., History of Sanskrit Poetics pp.352-391, i. Upadhyaya, Baladeva, Sanskrit Ālocanā (for six schools)
3. Kane P.V., History of Sanskrit Poetics
4. Pandey, Kantichandra: Comparative Aesthetics, vol.1 Chowkhamba Sanskrit series office Varanasi, 2008
5. Gnoli, R. : The Aesthetic Experience according to Abhinavagupta, Chowkhamba Sanskrit series office Varanasi.
6. चतुर्वेदी, ब्रजमोहन भारतीय सौन्दर्यादशान पृ० 42—60.
7. चतुर्वेदी, ब्रजमोहन भारतीय सौन्दर्यादशान पृ० 37—42.
8. चतुर्वेदी ब्रजमोहन भारतीय सौन्दर्यादशान पृ० 61—76.
9. कृष्णकुमार अल कारशास्त्र का इणतहास, साणहत्य भण्डार,मेरठ,199
10. उपाध्याय बलदेवे स स्कृत—आलोचना, णहन्ददी सणमणत, सचूना णवभाग, उ. प्र., 1963
11. कृष्णकुमार अल कारशास्त्र का इणतहास, साणहत्य भण्डार,मेरठ,1998
12. Coomarswami A : Introduction to Indian Art, Theosophical Society , Adyar, 1956.

Or

GE-3: Fundamentals of Indian Philosophy

Credits 06

GE3T: Fundamentals of Indian Philosophy

Course Contents:

Section A: General Introduction

Section B: Schools of Indian Philosophy

Section C: Problems in Indian Philosophy

Section A

Fundamentals of Philosophy

Unit: I

Darśana - concept and aims, Classification of Indian Philosophical schools,

Unit: II

Salient features of Indian Philosophy

Section B

Schools of Indian Philosophy

Unit: I

Heterodox Schools

- Cārvāka – General introduction with emphasis on Challenge to Veda, Rejection of Transcendental Entities, Ethics (Based on Sarvadarshansamgrah)
- Jainism – General introduction with emphasis on Anekāntavāda, Syādvāda, Saptabhaṅginaya, triratna
- Buddhism- General Introduction with emphasis on Four Noble Truths

Unit: II

Orthodox Schools of Philosophy

- Sāṃkhya – General Introduction with emphasis on prakṛti, guṇatraya & puruṣa Entities (Based on Sāṃkhyakārikā)
- Yoga - Eight fold path of Yoga (Based on Yogasūtra Sādhana-pāda and their on Yogabhāṣya thereon)

Unit: III

Nyāya –General introduction with emphasis on Vaiśeṣika : Seven Padārthas (Based on Tarkasamgrah)

Unit: IV

Advaita Vedānta – General introduction with emphasis a Brahman, Māyā, Jīva and Jagat (Based on Vedāntasāra)

Unit: V

Mīmāṃsā - Svataḥ Prāmāṇyavāda

Unit: VI

Bhakti Schools of Vedānta – General introduction with emphasis on God, Īśvara & nature of bhakti

Section C

Problems in Indian Philosophy

Unit: I

Epistemology: six pramāṇas

Unit: II

Metaphysics: realism, idealism, Causation - Satkāryavāda. Asatkāryavāda, Pariṇāmavāda, Vivartavāda, svabhāvavāda, consciousness and matter, theories of self

Unit: III

Ethics: Karma & Punarjanma theory, Liberation

Suggested Readings:

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

Or

GE-3: Ancient Indian Polity

Credits 06

GE3T: Ancient Indian Polity

Course Contents:

Section A: Name, Scope and Origin of Ancient Indian Polity

Section B: Types and Nature of the State

Section C: Kingship, Council of Ministers and Assemblies

Section D: Law and Justice, Taxation and Inter- State Relations

Section A

Name, Scope and Origin of Ancient Indian Polity

Unit: I

Name, Scope and Sources of the Science of Polity

- Name of Ancient Indian Polity: Daṇḍanīti, Dharmaśāstra, Nītiśāstra;
- Scope of Indian Polity: Relation with Dharma, Artha and Nīti;
- Sources : Vedic Literature, Purāṇas, Rāmāyaṇa, Mahābhārata, Dharmaśāstra, Kautilya's Arthaśāstra and Nīti –śāstra

Unit: II

Origin of the State'Daṇḍaniti':

- Origin of State'Daṇḍanīti': Mātsyanyāya- Theory -(Arthaśāstra 1.1.3, Mahābhārata, Śānti parva, 67.17-28, Manusmṛti, 7.20)
- Divinity of the King'Rājā' – (Arthaśāstra, 1.9, Mahābhārata, Śānti parva, 67.43-48, Manusmṛti, 7.4-7)

Section B

Types and Nature of the State

Unit: I

Types of the State:

- Rājya, Svrājya, Bhojya, Vairājya, Mahārājya, Sāmrajya concept in Aitareya Brāhmaṇa (8.3.13-14 and 8.4.15-16)
- Republics in Buddhist Literature (Dighnikāya, Mahāparinibbāṇa Sūta, Anguttaranikāya, 1.213; 4.252, 256)

Unit: II

Nature of the State:

- With special reference to Saptāṅga-Theory: 1. Svāmī, 2. Amātya, 3. Janapada, 4. Pura, 5. Kośa, 6. Daṇḍa and 7. Mitra (Arthaśāstra, 6.1; Manusmṛti, 9.294)

Section C

Problems in Indian Philosophy

Unit: I

Kingship and Council of Ministers:

- Kingship :Royal Succession, Coronation Ceremony, King as a Public Servent (Sukranīti,4.2.130,137), King as a Trustee(Arthaśāstra,10.3),
- King as Upholder of the Moral Order(Mahābhārata, Śānti parva,120.1-35; Manusmṛti, 7.1-35);
- Council of Ministers : Ratni Council in Vedic age Śatapathabrāhmaṇa, 5.2.5.1);
- Council of Ministers in Kauṭilya's Arthaśāstra (1.4,1.5,1.11) and Śukranīti,(2.70- 72)

Unit: II

Central Assemblies and Local Administration:

- Central Assembly in Vedic Literature : 'Sabhā', 'Samiti' in Atharvaveda (7.12.1;12.1.6) and 'Vidatha' in Ṛgveda (10.85.26);
- Town Assembly: 'Paura- Janpada' in Rāmāyaṇa and Mahābhārata;
- Village Council: Sabhā, Pañcakula, Pañcāyata

Section D

Law, Justice, Taxation and Inter-State Relations

Unit: I

Nature and Sources of Law 'Dharma':

- Four types of Source of Law 'Dharma':1.'Dharma', 2. Vyavahāra', 3.'Caritra' and 4. 'Rājaśāsana';
- Four types of Enforcement of Law: 1. Rules of Castes 'Jatidharma', 2. Local Customs' 'Janapadadharma', 3. Bye-laws of Guilds 'Śreṇīdharmā' and 4. Family Traditions 'Kuladharma'

Unit: II

Judicial administration and Courts:

- King as Head and Fountain Sources of all Justice, Qualities of Chief Justice-'Pradvivak 'and members of Jury-'Sabhāsadaḥ, (Shukraniti, 4.5.69-196)
- Two types of Royal Courts 'Dharmasthīya' and 'Kañṭakaśodhana' in Arthaśāstra (3.1-20)
- Social and local Courts situated in Villages-' Kula','Puga','Dharmaśāsana'.

Unit: III

Taxation Policy of State:

- Reasonable and Equitable Taxation Policy 'Śāstranīta' permitted by Dharmaśāstra (Mahābhārata, Śānti parva, 71.10-25, Manusmṛti, 7.127, 144) ;
- Criticism of unlawful taxation policy in Mahābhārata, Śānti parva (87.19-18-22, 88.4-7)
- Two Types of Tax Sources in Arthaśāstra -1.'Aya- sarira' and 2'Aya-mukha'(Altekar, A.S , State and Government in Ancient India, pp.262 267; Sahay, Shiva Swarup, , Prachin Bharaa ka Samajika evam Arthika Itihas, pp.456-458)

Unit: IV

Inter-State Relations of State:

- Brief survey of 'Maṇḍala' Theory of Inter- State Relations; Principles and means of Diplomacy : 1.Sāma 2.Dāma, 3 Daṇḍa. 4.Bheda;
- Diplomacy of War and Peace – 'Śāḍgunya theory: 1.Sandhi, 2.Vigraha, 3.Yāna, 4.Āsana, 5.Saṁśraya and, 6.Dvaidhībhāva (Altekar, A.S , State and Government in Ancient India, pp.291-308; Satyaketu Vidyalankar, Prachin Bharatiya Shasana Vyavastha aur Rajashastra, pp.363- 376)

Suggested Readings:

1. Arthashastra of Kautilya-(ed.) Kangale, R.P. Delhi, Motilal Banarasidas 1965
2. Atharvaveda samhita- (Trans.) R.T.H. Griffith, Banaras, 1896-97, rept.(2 Vols) 1968.
3. Mahabharata (7 Vols)- (Eng. Tr.) H.P. Shastri, London, 1952-59.
4. Manu's Code of Law- (ed. & trans.) : Olivelle, P. (A Critical Edition and Translation of the Mānava- Dharmaśāstra), OUP, New Delhi, 2006.
5. Ramayana of Valmiki - (Eng. Tr.) H.P. Shastri, London, 1952-59. (3 Vols)
6. Rgveda samhita (6 Vols)- (Eng. Tr.) H.H. Wilson, Bangalore Printing & Publishing Co., Bangalore, 1946. 7. Satapatha brahmana- (with Eng. trans. ed.) Jeet Ram Bhatt, Eastern (3 Vols) Book Linkers, Delhi, 2009.
7. अ गुतर णनकाय (1-4 भाग) कच बनारसक्च 1980
8. कौरटलीय अथाशास्त्र -णहन्ददी अनुवाद -उदयवीर शास्त्री, मेहरचन्द लछमनदास, ददलली, 1968.
9. दीघणनकाय (1-2 भाग) कचसम्पा० जे० कश्यप णबहार, 1958
10. महाभारत (1-6 भाग) - णहन्ददी अनुवाद सणहत, (अनु०) रामनारायण दत्त शास्त्री पाण्डेय गीताप्रेस, गोरखपुर.
11. मनुस्मृणत (1-13 भाग) - (सम्पा० एव व्या०) उर्ममला रुस्तगी, जे.पी. पणललशशग हाउस, ददलली, 2005
12. शतपथब्राह्मण (1-5 भाग) (माध्यणन्दनीय शाखा) -सायणाचाया एव हररस्वामी टीकासणहत, ददलली, 1987.
13. शुक्रनीणत - णहन्ददी अनुवाद, ब्रह्मश कर णमश्र, चौखम्बा स स्कृत सीरीज, वाराणसी, 1968.
14. काणे, पी.वी.-धमाशास्त्र का इणतहास (1-4 भाग) अनु० अजुन चौबे काश्यप, णहन्ददी सणमणत, लखनऊ, 1966—73.
15. गानार, जे.डलल्यू.- राज्यणवज्ञान और शासन, (अनु०) रामनारायण यादवेन्दु, आगरा, 1972.
16. नाटाणी, प्रकाश नारायण - प्राचीन भारत के राजनीणतक णवचारक, पोइन्दटर पणललशसा, जयपुर, 2002.
17. मोहनचन्द- जैन स स्कृत महाकाव्यों में भारतीय समाज, ईस्टना बुक शलकसा, ददलली, 1989.
18. णवघाल कार, सत्यकेतु - प्राचीन भारतीय शासनव्यवस्था और राजशास्त्र, सरस्वती सदन, मसूरी, 1968.

19. सहायकचणशवस्वरूपकच- प्राचीन भारत का सामाजिक एवं आर्थिक इणतहास, मोतीलाल बनारसीदास, ददलली, 2012
24. णसन्दहा णवनोद एवं णसन्दहा रेखा- प्राचीन भारतीय इणतहास एवं राजनैणतक णचन्दत्न, राधा णणललकेशन्द्स, ददलली, 1989
25. Altekar, A.S - State and Government in Ancient India, Motilal Banarsidass, Delhi, 2001.
26. Belvalkar, S.K. -Mahabharata: Santi Parvam, 1954.
27. Gharpure, J.R. -Teaching of Dharmashastra, Lucknow University,1956
28. Ghosal, U.N. - A History of Indian Political Ideas, Bombay, 1959.
29. Jayaswal, K.P. - Hindu Polity, Bangalore, 1967.
30. Law, N. S. - Aspect of Ancient Indian Polity, Calcutta, 1960.
31. Maheshwari, S. R. - Local Government in India, Orient Longman, New Delhi,
32. Prasad, Beni - Theory of Government in Ancient India, Allahabad, 1968.
33. Saletore, B.A. - Ancient Indian Political Thought and Institutions, Bombay, 1963.
34. Sharma, R. S. - Aspects of Political Ideas and Institutions in Ancient India, Motilal Banarsidass, Delhi, 1996.
35. Sinha, K.N. - Sovereignty in Ancient Indian Polity, London, 1938.
36. Verma, V.P. - Studies in Hindu Political Thought and its Metaphysical Foundations, Delhi, 1954.

Vidyasagar University

Curriculum for B.A (Honours) in Sanskrit [Choice Based Credit System]

Semester-IV

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC-8		C8T: Indian Epigraphy, Paleography and Chronology	Core Course - 8	5	1	0	6	75
CC-9		C9T: Modern Sanskrit Literature	Core Course - 9	5	1	0	6	75
CC-10		C10T: Sanskrit and World Literature	Core Course - 10	5	1	0	6	75
GE-4		TBD	Generic Elective- 4				6	75
SEC-2		SEC2T: Machine Translation: Tools and Techniques Or Evolution of Indian scripts Or Sanskrit Meter and Music	Skill Enhancement Course-2	1	1	0	2	50
Semester Total							26	350

L=Lecture, T= Tutorial, P=Practical, CC = Core Course, GE= Generic Elective, SEC = Skill Enhancement Course, TBD = to be decided

Generic Elective (GE)(Interdisciplinary) from other Department.

Modalities of selection of Generic Electives (GE): A student shall have to choose **04** Generic Elective (GE1 to GE4) strictly from **02** subjects / disciplines of choice taking exactly **02** courses from each subjects of disciplines. Such a student shall have to study the curriculum of Generic Elective (GE) of a subject or discipline specified for the relevant semester.

List of the Core Course (CC) and Electives

Core Course (CC)

- CC-8: Indian Epigraphy, Paleography and Chronology
CC-9: Modern Sanskrit Literature
CC-10: Sanskrit and World Literature

Skill Enhancement Course(SEC)

- SEC-2: Machine Translation: Tools and Techniques
Or
SEC-2: Evolution of Indian scripts
Or
SEC-2: Sanskrit Meter and Music

Generic Electives (GE)

- GE-4: Basic Principles of Indian Medicine System (Ayurveda)
Or
GE-4: Computer Applications for Sanskrit
Or
GE-4: Nationalism and Indian Literature

Core Course (CC)

CC-8: Indian Epigraphy, Paleography and Chronology

Credits 06

CC8T: Indian Epigraphy, Paleography and Chronology

Course Contents:

Prescribed Course:

Section 'A' Epigraphy

Section 'B' Paleography

Section 'C' Study of selected inscriptions

Section 'D' Chronology

**Section 'A'
Epigraphy**

- Unit: I** Introduction to Epigraphy and Types of Inscriptions
- Unit: II** Importance of Indian Inscriptions in the reconstruction of Ancient Indian History and Culture
- Unit: III** History of Epigraphical Studies in India
- Unit: IV** History of Decipherment of Ancient Indian Scripts (Contribution of Scholars in the field of epigraphy): Fleet, Cunningham, Prinsep, Buhler, Ojha, D.C.Sircar.

**Section 'B'
Paleography**

- Unit: I** Antiquity of the Art of Writing
- Unit: II** Writing Materials, Inscribers and Library
- Unit: III** Introduction to Ancient Indian Scripts.

Section 'C'
Study of selected inscriptions

Unit: I	Aśoka's Giranāra Rock Edict-1 Aśoka's Sāranātha Pillar Edict
Unit: II	Girnāra Inscription of Rudradāman
Unit: III	Eran Pillar Inscription of Samudragupta Mehrauli Iron Pillar Inscription of Candia
Unit: IV	Delhi Topra Edict of Bīsaladeva

Section 'D'
Chronology

Unit: I	General Introduction to Ancient Indian Chronology
Unit: II	System of Dating the Inscriptions (Chronograms)
Unit: III	Main Eras used in Inscriptions - Vikrama Era, Śaka Era and Gupta Era

Recommended Books/Readings:

1. अभिलेख—मंजूषा, रणजीत सिंह सैनी, न्यूभारतीय बुककार्पोरेशन, दिल्ली, 2000.
2. उत्कीर्णलेखपञ्चकम्, ज्ञा बन्धु, वाराणसी, 1968.
3. उत्कीर्णलेखस्तबकम्, जियालाल काम्बोज, ईस्टर्न बुकलिंगर्स, 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. व्यूलर, 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 पुरालिपिविधा, (हिन्दीअनु०) कृष्णदत्त वाजपेयी, विधानिधि प्रकाशन, दिल्ली, 1996.
13. सहाय, शिवस्वरूप : भारतीय पुरालेखों का अध्ययन, मोतीलाल बनारसीदास, दिल्ली. Dani, Ahmad Hasan : *Indian Paleography*, Oxford, 1963.
14. Pillai, Swami Kannu & K.S. Ramchandran : *Indian Chronology (Solar, Lunar and Planetary)*, Asian Educational Service, 2003.
15. Satyamurty, K. : *Text Book of Indian Epigraphy*, Lower Price Publication, Delhi. 1992.

CC-9: Modern Sanskrit Literature

Credits 06

CC9T: Modern Sanskrit Literature

Course Contents:

Prescribed Course:

Section 'A'	Mahākāvya and Charitakāvya
Section 'B'	GadyaKāvya and Rūpaka
Section 'C'	GītiKāvya and Other genres
Section 'D'	General Survey of Modern Sanskrit Literature

Section 'A'

Mahākāvya and Charitakāvya

Unit: I	SvātantryaSambhavam (RevaprasadaDwivedi) Canto 2, verses 1-45 Bhimāyanam (Prabha Shankar Joshi) Canto X. verses 20-29; Canto - XI. Verses 13-20 & 40-46.
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Section 'B'

Gadya and Rūpaka

Unit: I	Śataparvikā (Abhirāja Rajendra Mishra)
Unit: II	ŚārdūlaŚakatam (Virendra Kumar Bhattacharya)

Section 'C'

Gitikāvya and Other genres

Unit: I	Bhatta Mathurna Nath Shastri (Kundaliyān, BacchuLal Avasthi Jñāana (Kaete, Kva Yataste), SriñivasaRath (Katamā Kavītā) etc
Unit: II	Hariram Acharya (Sankalpa Gitih) ; Pushpa Dikshit (Bruhi kosminYuge..) RadhaVallabhTripathi DhivaraGitih (Naukamihasaramsaram...);
Unit III	Harshdev Madhava Haiku- Snanagrihe, vedanā, mṛityuh1, mṛtyuh 2; khanih; shatāvadhāni R. Ganesh (kavi-viṣādah, varṣāvibhūti

Section 'D'

General Survey

Unit 1	Pandita Kshama Rao, P.K. Narayana Pillai, S. B. Varnekar, ParmanandShastri, Reva Prasad Dwivedi
Unit 2	Janaki VallabhShastri, Ram Karan Sharma, Jagannath Pathak, S. Sunderrajan, Shankar Dev Avatare
Unit 3	Haridas SiddhantaVagish, Mula Shankar M. Yajnika, Mahalinga Shastri, Leela Rao Dayal, YatindraVimal Chowdhury, Virendra Kumar Bhattacharya

Recommended Books:

1. मिश्र अभिराज राजेन्द्र, कल्पवल्ली (समकालीनसंस्कृतकाव्यसंकलन)—साहित्य अकादमी, 2013
2. प्रभाशंकर जोशी—भीमायनम्, शारदा गौरव ग्रन्थमाला, पुणे
3. त्रिपाठी राधावल्लभ—नवस्पन्दः, मध्य प्रदेश हिन्दीग्रन्थ अकादमी
4. त्रिपाठी राधावल्लभ—आयतिः, राष्ट्रिय संस्कृत संस्थान, दिल्ली.

5. आधुनिकसंस्कृत—साहित्य—संचयन— (सम्पा०) गिरीश चन्द्र पन्त, विधानिधि प्रकाशन, दिल्ली, 2008.
6. तदेव गगनं सैव धरा(काव्यसंग्रह) —श्रीनिवासरथविरचित, राष्ट्रिय संस्कृत संस्थान, दिल्ली.
7. विंशशताब्दी—संस्कृत—काव्यामृतम् — (संक०) अभिराज राजेन्द्रमिश्र (भाग—1)
8. उपाध्याय, रामजी—आधुनिकसंस्कृतनाटक, चौखम्बासुरभारती प्रकाशन, वाराणसी, 1996.
9. त्रिपाठी, राधावल्लभ—संस्कृतसाहित्य ०: बीसवीं शताब्दी, राष्ट्रिय संस्कृतसंस्थान, दिल्ली, 1999.
10. भार्गव, दयानन्द—आधुनिकसंस्कृतसाहित्य, राजस्थानी ग्रन्थागार, जोधपुर, 1987.
11. द्विवेदी, मीरा —आधुनिक संस्कृत महिला नाटककार, परिमल पब्लिकेशन्स, दिल्ली, 2000.
12. रुचि कुलश्रेष्ठ—बीसवीं शताब्दी का संस्कृतलघुकथासाहित्य, राष्ट्रिय संस्कृतसंस्थान, दिल्ली, 2008.
13. शास्त्री, कलानाथ—आधुनिक काल का संस्कृत गद्य—साहित्य, राष्ट्रिय संस्कृतसंस्थान, दिल्ली, 1995.
14. शुक्ल, हीरालाल—आधुनिकसंस्कृतसाहित्य, रचनाप्रकाशन, इलाहाबाद, 1971.
15. Joshi, K.R. & S.M. Ayachit ² *Post Independence Sanskrit Literature*, Nagpur, 1991.
16. Prajapati, Manibhai K. ² *Post Independence Sanskrit Literature: A Critical Survey*, Patna, 2005.
17. UshaSatyavrat *Sanskrit Dramas of the Twentieth Century*, Mehar Chand Lachmandas, Delhi, 1987.
18. Dwivedi Rahas Bihari – AdhunikMahakāvya Samikshanam
19. Tripathi RadhaVallabh– Sanskrit SahityaBeesaveenShatabdi , 1999, Delhi
20. Musalgaonkar Kesava Rao – Adhunik Sanskrit KāvyaParampara, 2004
21. Naranga, S.P. – KalidasaPunarnava,
22. Upadhyaya, Ramji–Adhunik Sanskrit Natak, Varanasi

Course Contents:

Prescribed Course:

Section 'A'	Survey of Sanskrit Literature in the World
Section 'B'	Upaniṣads and Gītā in World Literature
Section 'C'	Sanskrit Fables in World Literature
Section 'D'	Rāmāyaṇa and Mahābhārata in South East Asian Countries
Section 'E'	Kālidāsa's Literature in World Literature
Section 'F'	Sanskrit Studies across the World

Section 'A'

Survey of Sanskrit Literature in the World

Unit: I	Vedic cultural elements in ancient Eastern and Western societies.
Unit: II	Presence of Sanskrit words in the World languages.
Unit: III	General survey of the Classical Sanskrit Literature in the Eastern and Western literature.

Section 'B'

Upaniṣads and Gītā in the West

Unit: I	Dara Shikoh's Persian Translation of Upaniṣads and their Influence on Sufism, Latin translation and its influence on Western thought
Unit: II	Translation of the Gītā in European languages and religio-philosophical thought of the west.

Section 'C'
Sanskrit Fables in World Literature

Unit: I Translation of Pañcatantra in Eastern and Western Languages.
Translation of Vetālapañcaviṃśatikā, Simhāsanadvātriṃśikā and Śukasaptati in Eastern

Unit: II Languages and Art.

Section 'D'
Rāmāyaṇa and Mahābhārata in South Eastern Asia

Unit: I Rāma Kathā in south eastern countries

Unit: II Mahābhārata stories as depicted in folk cultures of SE Asia

Section 'E'
Kālidāsa in the West

Unit: I English and German translation of Kālidāsa's writings and their influence on western literature and theatre.

Section 'F'
Sanskrit Studies across the World

Unit: I i. Sanskrit Study Centers in Asia
ii. Sanskrit Study Centers in Europe
iii. Sanskrit Study Centers in America

Recommended Books/Readings:

1. The Bhagavad Gita and the West: The Esoteric Significance of the Bhagavad Gita and Its Relation to the Epistles of Paul", by Rudolf Steiner, p. 43.
arisebharat.com/2011/10/22/impact-of-bhagvad-gita-on-west/
2. AWAKENING - Google Books Result.
3. Ben-Ami Scharfstein (1998), A Comparative History of World Philosophy: From the Upanishads to Kant, State University of New York Press, ISBN 978-0791436844, page 376.
4. Bhagavad Gita - World Religions
5. Edgerton, Franklin (1924), *The Pañcatantra Reconstructed* (Vol.1: Text and Critical Apparatus, Vol.2 : Introduction and Translation), New Haven, Connecticut: American Oriental Series. Volumes 2-3.

6. Banarji, Suresh Chandra- 'Influence of Sanskrit out side India, A Companion to Sanskrit Literature, MLBD, 1971.
7. Excerpt from Wood's 2008 update of *Kalila and Dimna- Fables of Friendship and Betrayal*.
8. Falconer, Ion Keith (1885), *Kalilah and Dimnah or The Fables of Bidpai*, Cambridge University Press, Amsterdam, 1970.
9. Hertel, Johannes(1908-15), *The Pañcatantra : a collection of ancient Hindu tales, in the recension called Pañcākhyanaka*, and dated 1199 A.D., of the Jaina monk, Pūrṇabhadra, critically edited in the original Sanskrit, Harvard Oriental Series Volume 11,12,13, 14.
10. *History of Sanskrit Literature*, A Berriedale Keith, Motilal Banarsidas Publishers Pvt. Limited, India, 1993.
11. *History of the Miration of Pañcatantra*.
12. <http://en.wikipedia.org/wiki/Panchatantra>".
<https://books.google.co.in/books?isbn=8184002483>
13. Ibn al- Muqaffa, Abd'allah, *Calila e Dimna*, Eds. Juan Manuel Cacho Bleuca and María Jesus Lacarra, Madrid: Editorial Castalia, 1984.
14. Ibn al- Muqaffa, Abdallah, *Kalilah et Dimnah*, Ed. P. Louis Cheiko. 3 ed. Beirut: Imprimerie Catholique, 1947.
15. Impact of Bhagvad Gita on West | Arise Bharat
16. [Influence of Bhagavad Gita - Wikipedia, the free encyclopedia](#)
17. Jacobs, Joseph (1888), *The earliest English version o the Fables of Bidpai* , London.
18. James A. Hijiya, "The Gita of Robert Oppenheimer" Proceeding of the American Philosophical Society, 144, no. 2 (Retrieved on 27 February 2011).
19. कालिदास ग्रन्थावली, सम्पा. रेवा प्रसाद द्विवेदी, काशी हिन्दू विश्वविद्यालय, वाराणसी, 1986.
20. रमेश भारद्वाज — नवजागरण एवं स्वतन्त्रता आन्दोलन में उपनिषदों की भूमिका, विधानिधि, दिल्ली
21. Kāśīnāth Pāṇḍuraṅga Paraba, ed. (1896), *The Pañcatantra of Viṣṇuśarman*, Tukārām Jāvajī, <http://books.google.com/-id=K71WAAAYAAJ->, Google Books.
22. Katchbull, Rev. Wyndham (1819), *Kalila and Dimna or The Fables of Bidpai*, Oxford, (Translated from Silvestre de Stacy's laborious 1816 collation of different Arabic manuscripts)
23. Mahulikar, Dr. Gauri, Effect of Ramayana On Various Cultures And Civilisation, Ramayana Institute.
24. Mark B. Woodhouse (1978), [Consciousness and Brahman-Atman](#), The Monist, Vol. 61, No.1, Conceptions of the Self: East & West (January, 1978), pages 109-124.
25. Neria H. Hebber, Influence of Upanishads in the West, Boloji.com. Retrieved on : 2012-03-02.
26. Olivelle, Patrick (2006), *The Five Discourses on Worldly Wisdom*, Clay Sanskrit Library.
27. Pañcatantra, <http://en.wikipedia.org/wiki/Panchatantra>, retrieved on Feb 1, 2008.

28. Pandit Guru Prasad Shastri (1935), *Pañcatantra with the commentary Abhinavarajalaxmi*, Benares: Bhargava Pustakalaya.
29. Patrick Olivelle (2014), *The Early Upanishads*, Oxford University Press, ISBN 978-0195124354, page 12-14.
30. Rajan, Chandra (transl.) (1993), *Viṣṇuśarma: The Pañcatantra*, London : Penguin Books, ISBN-9780140455205-(reprint : 1995) (also from the North Western Family text.
31. Rohman, Todd (2009). "The Classical Period". In Watling, Gabrielle, Quay, Sara.
32. S Radhakrishnan, *The Principal Upanishads* George Allen&Co., 1951, pages 22, Reprinted as ISBN 978-8172231248
33. "The Gita of J. Robert Oppenheimer" by JAMES A. HIJYA, Professor of History, University of Massachusetts Dartmouth (PDF file)
34. *The Pañcatantra*, Viṣṇuśarma, translated from Sanskrit with an Introduction by Chandra Rajan, Penguin Books, India, 1993.
35. Valmiki's Ramayana illustrated with Indian miniatures from the 16th to the 19th Century 2012, Editions Diane de Selliers, ISBN 9782903656168
36. Video of London 2009 ICR Illustrated Lecture on the Westward Migration of Panchatantra from India.
37. Viṣṇuśarma, http://en.wikipedia.org/wiki/Vishnu_Sarma, retrieved on Feb 1, 2008.
38. Wilkinson (1930), *The Lights of Canopus described by J V S Wilkinson*, London: The studio.
39. Winternitz, M. *Some Problems of Indian Literature* –Munshiram Manoharlal, Delhi, 1978. www.comparativereligion.com/Gita.html

Skill Enhancement Course (SEC)

SEC-2: Machine Translation: Tools and Techniques

Credits 06

SEC2T: Machine Translation: Tools and Techniques

Course Contents:

Prescribed Course

Section 'A'	Theoretical Concepts of Machine Translation
Section 'B'	Survey of Machine Translation
Section 'C'	Machine Translation (MT) Approaches
Section 'D'	Challenges in Machine Translation

Section 'A'

Theoretical Concepts of Machine Translation

Unit: I

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

Section 'B'

Survey of Machine Translation

Unit: I

Survey of Machine Translation Systems, List of
research laboratories for machine translation

Section 'C'

Machine Translation (MT) Approaches

Unit: I

Rule Base MT: Transfer-based, Interlingual and
Dictionary Based, Statistical MT, Example Based
MT,

Hybrid MT

Section 'D'

Challenges in Machine Translation

Unit: I

Ambiguity and Acceptability

Recommended Books/Readings:

1. Dorr, B J, Machine Translation – a view from Lexicon
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. Chandra, Subhash and Jha, GN. Computer Processing of Nominal Inflections in Sanskrit: Methods and Implementations, CSP, UK, 2012.
6. Dan Jurafsky, James H. Martin, 2000, Speech and Natural Language Processing, Prentice Hall.
7. 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.
8. 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.
9. Grishman, R., Computational Linguistics: An introduction, Cambridge University Press, 1986.
10. Sergei Nirenburg, Harold L. Somers and Yorick A. Wilks, "Readings in Machine Translation" MIT Press. 2003.
11. Teacher's notes and selected research paper suggested by teachers.
12. Important E-Content suggested by teacher.
13. 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.

Or
SEC-2: Evolution of Indian scripts

Credits 06

Course Contents:

Prescribed Course:

Section 'A'

Section 'B'

Unit-Wise Division

Section 'A'

- Unit: I**
1. Antiquity of writing in India
 2. Sign & symbols - pre-scripts
 3. Early Brāhmī and Kharoshthi Scripts
 4. Indus Valley script - Introduction

Section 'B'

- Unit: I**
1. Types/Kinds of the Brāhmī script by 400 A.D.
 2. Transition to early modern Indian scripts
 3. Causes of variation in the Brāhmī script

Recommended Books/Readings:

1. Buhler, G. : Indian Paleography, 1959
i. : On the origin of the Indian alphabet & numerals
2. Burnell, A.C. : Elements of South Indian Paleography, 1878.
3. Dani, A.H. : Indian Paleography, 1963
4. Diringer, David : The Alphabet (Reprint) 1962
5. Gelb, I. J. : A study of writing, 1963
6. Sircar, D.C. : Indian Epigraphy, 1965
7. Upasak, C.S. : History & Paleography of Mauryan Brāhmī script, 1960
8. Verma, T.P. : Paleography of Brāhmī script in North India, 1971.
9. गौ. ही. ओझा: भारतीय प्राचीन लिपिमाला
10. राजबली पाण्डेय : अशोक के अभिलेख, 1967

Or

SEC-2: Sanskrit Meter and Music

SEC2T: Sanskrit Meter and Music

Credits 06

Course Contents:

Section 'A'	Brief Introduction to Chhandaḥśāstra
Section 'B'	Classification and Elements of Sanskrit Meter
Section 'C'	Analysis of Selected Vedic Meters and their musical rendering
Section 'D'	Analysis of Selected Classical Meters and their musical rendering

Unit-Wise Division:

Section 'A'

Brief Introduction to Chhandaḥśāstra

Unit: I **Brief Introduction to Chhandaḥśāstra**

Section 'B'

Classification and Elements of Sanskrit Meter

Unit: I Syllabic verse (akṣaravṛtta):
Syllabo-quantitative verse (varṇavṛtta)
Quantitative verse (mātrāvṛtta)
Syllables: laghu and guru

Unit: II Gaṇa
Feet

Section 'C'

Analysis of Selected Vedic Meter and their Lyrical Methods (गान-पद्धति)

Definition, Example, Analysis and Lyrical Methods
of following Meters:

Unit: I

*gāyatrī, uṣṇika, anuṣṭupa, bṛhatī, paṃkti, triṣṭup
and jagatī*

Section 'D'

Analysis of Selected Classical Meter and their Lyrical Methods (गान-पद्धति)

Definition, Example, Analysis and Lyrical Methods
of following Meters:

Unit: I

*bhujāṅgaprayāta, sragviṇī, toṭaka, harigītikā,
vidyunmālā, anuṣṭupa, āryā, mālinī, śikharinī,
vasantatilakā, mandākrāntā, sragdharā and,
śārdūlvikrīḍita*

Suggested Books/Readings:

1. Brown, Charles Philip (1869). Sanskrit Prosody and Numerical Symbols Explained. London: Trübner & Co.
2. Deo, Ashwini. S (2007). The Metrical Organization of Classical Sanskrit Verse, (PDF). Journal of Linguistics 43 (01): 63–114. doi:10.1017/s0022226706004452.
3. Recordings of recitation: H. V. Nagaraja Rao (ORI, Mysore), Ashwini Deo, Ram Karan Sharma, Arvind Kolhatkar.
4. Online Tools for Sanskrit Meter developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi: <http://sanskrit.du.ac.in>
5. धरानन्द शास्त्री (संपा.), केदारभट्ट विरचित वृत्तरत्नाकर, मोतीलाल बनारसीदास, दिल्ली, 2004

Generic Electives (GE)

GE-4: Basic Principles of Indian Medicine System (Ayurveda) Credits 06

GE4T: Basic Principles of Indian Medicine System (Ayurveda)

Course Contents:

Prescribed Course:

Section 'A'	Introduction to Indian Medicine System: Āyurveda
Section 'B'	Basic Principles of Āyurveda
Section 'C'	Dietetics, Nutrition and Treatments in Āyurveda
Section 'D'	Important Medicinal Plants and their based on Āyurveda

Section 'A'

Introduction to Indian Medicine System: Āyurveda

Unit: I Definition of Āyurveda, Āyuh (Life), Śarīra (Body), Health, Aim of Āyurveda, Subject Matter of Āyurveda, Salient Features of Āyurveda, Concept of Health according to Āyurveda, Unique features of Āyurveda.

Unit: II History of Āyurveda, Atharvaveda as an early source for medicinal speculations, Introduction to Major Texts (Suśrut Saṁhitā and Caraka Saṁhitā) and Authors (Suśruta and Caraka) and Aṣṭāṅga Hṛdayam, Aṣṭāṅga Saṅgraha of Vāgbhaṭa.

Unit: III Eight Components of Āyurveda (aṣṭāṅgaĀyurveda):

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

Section 'B'

Basic Principles of Āyurveda

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

Āyurvedic understanding of lifestyle and concepts of preventive medicine.

Unit: II

Seasonal regimen & social conduct and its effect on health, Concepts of Prakṛti, Agni, and Kṛta.

Svasta Vṛtta (Preventive Medicine) :

Understanding Health and Disease in Āyurveda

Unit: III

Diagnosis of illness: eight ways to diagnose illness, called Nāḍī (pulse), Mūtra (urine), Mala (stool), Jihvā (tongue), Śabda (speech), Sparśa (touch), Dṛk (vision), and Ākṛti (appearance).

Section 'C'

Dietetics, Nutrition and Treatments in Āyurveda

Unit: I

Āyurvedic understanding of nutrition and metabolism, Classification of Āhāra according to Āyurveda and Viruddhāhāra (incompatible diet) & role of diet.

Unit: II

Commonly used substances and their therapeutic properties and Pharmacology: Intro to basic principles of Āyurvedic pharmacology, Art and science of Āyurvedic Pharmacy and Understanding Āyurvedic Herbs and common formulations

Unit: III

Pañcakarma and Other Āyurvedic Specialty Treatments: Method and classification of treatments in Āyurveda, Pretreatment, Therapeutic vomiting (Vamana), Purgation Therapy, Enema (Basti), Nasal Administration – Nāśya, Blood Letting (Rakta Mokṣa), Introduction and importance of Pañcakarma/Detoxification, Science and art of rejuvenation (Rasāyana and Vājīkaraṇa). Āyurvedic prenatal and postpartum care for healthy mothers and babies, Saṁskāra, care of infants and children.

Section 'D'

Important Medicinal Plants in Āyurveda

Unit: I

19 Medicinal Plants in Suśruta Saṁhitā: Tulsī, Haridrā, Sarpagandhā, Ghṛta Kumārī, Guggulu, Brāhmī, Āmalā, Aśwagandhā, Arjun Tree, Turmeric, Ceylon Hydrolea, Neema Plant, Lady Ferns, Blackberries, Pot Marigold, Camomile, Peppermint, Fenugreek and Aloe Vera.

4-Credit

Recommended Books/Readings:

1. Acharya, Srinivas, Panchakarma Illustrated, Chaukhamba SanskritPratishtana, 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, KavirajKunjalal, 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.tkd1.res.in/tkd1/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: Sodasangahrdayam, MotilalBanarsidass Publishers, 1999
13. Ravi DattaTripathi, Vāgbhata'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, AstangaHridayam Vols. 1 and 2. Varanasi, India: Krishnadas Academy.
18. Srikrishnamurthy, K.R. Srikantha, translator. (2001). Sharangadhara Samhita: A treatise onĀyurveda. 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, Glossarv. Nabu Press. 2012

Or

GE-4: Computer Applications for Sanskrit

Credits 06

GE4T: Computer Applications for Sanskrit

Course Contents:

Section A	Interactive Sanskrit Teaching Learning Tools
Section B	Standard for Indian Languages (Unicode)
Section C	Text Processing and Preservation Tools
Section D	Optical Character Reader

Section A

Interactive Sanskrit Teaching Learning Tools

Unit: I	Interactive Sanskrit Learning Tools, Introduction, Why Interactive Tools for Sanskrit? E-learning, Basics of Multimedia, Web based tools development HTML, Web page etc., Tools and Techniques
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Section B

Standard for Indian Languages (Unicode)

Unit: I	Unicode Typing in Devanagari Scripts, Typing Tools and Software
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Section C

Text Processing and Preservation Tools

Unit: I	Text Processing, Preservation, Techniques, Text Processing and Preservation, Tools and Techniques, Survey
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Section D

Optical Character Reader

Unit: I

Optical Character Reader
(OCR), Applications of OCR
for Sanskrit and Indian
Languages, Tool and
Techniques, Survey

Suggested Readings:

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

Or

GE-4: Nationalism and Indian Literature

Credits 06

GE4T: Nationalism and Indian Literature

Course Contents:

Prescribed Course:

Section 'A'	Concepts and Basic Features of Indian Nationalism
Section 'B'	Nationalism and Concept of 'Rāṣṭra' in Sanskrit Literature
Section 'C'	Rise of Indian Nationalism and Modern Indian Literature

Section 'A'

Concepts and Basic Features of Indian Nationalism

Unit: I Definition of Indian Nation, Nature and Elements :
Meaning of Nation, Definitions in the light of Modern Political Science; Western Concept of Nation, Origin and Development of Nationalism in West; Constituent Elements of Nation; Different view regarding Nation and State; Indian Concept of Nation, Meaning, Etymology and Fundamental Elements in the light of Sanskrit Literature.

Unit: II

Definition of Nationality, **Nature and** National Symbols
Meaning of Nationality, Definitions and Constituent Elements of Nationality; Essential Factors of Nationality:
1. National Intigration, 2. Patriotism, 3. Freedom, 4. Religious Tolerance 5. National Pride, 6. National Consciousness, 7. Citizenship.

National Symbols of India : 1. National Anthem- '*Jana Gana Mana*' 2.. National Song

'*Vande Mātaram*' 3..National Flag of India, 4. National Emblem '*Ashok Chakra*'.

Section 'B'

Nationalism and Concept of 'Rāṣṭra' in Sanskrit Literature

- Unit: I** Origin, Development and Concept of 'Rāṣṭra' in Sanskrit Literature Concept and Nature of Vedic 'Rāṣṭra' (*Atharvaveda*, 11.9.17; 12.1.1-12; *SuklaYajurveda*, 22.22); Five Elements of Vedic 'Rāṣṭra' (*Atharvaveda*, 12.1.1); Coronation Ceremony of Vedic King and its relation with Nation State 'Rāṣṭra' (*Śatapathabrāhmaṇa*, 51.1.8-13; 9.4.1.1-5); 'Rāṣṭra' in the Context of 'Saptāṅga' Theory of State (Kautilya's *Arthaśāstra*, 6.1, *Mahābhārata*, *Śāntiparva*, 56.5, *Śukranūti*, 1.61-62)
- Unit: II** Name, Geography and Features of 'Bhāratavarṣa' in Sanskrit Literature Different Views Regarding Name of 'Bhāratavarṣa' in Vedic and Paurāṇika Literature; Geography and Salient Features of 'Bhāratavarṣa' in Viṣṇu Purāṇa (2.3) Diversity and Geographical Unity of 'Bharatavarṣa' (Valmīki *Rāmāyaṇa*, *Kiṣkindhākāṇḍa*, chapters-46,47,48 ; *Raghuvamśa* of Kalidasa (fourth canto)

Section 'C'

Rise of Indian Nationalism and Modern Indian Literature

- Unit: I** Rise of Indian Nationalism and Freedom Struggle Movement : Major Factors which led to the Rise of Nationalist Sentiments in Modern Period with special reference to: 1. Western thought and education 2. Rediscovery of India's past 3. Socio-religious reform movements 4. Impact of contemporary National movements worldwide .Socio-Religious Nationalist thoughts of: 1.Swami Dayanand Saraswati, 2. Swami Vivekanand, 3. Bankim Chandra Chatopadhyay, 4. Mahatma Gandhi, 5. Dr.B.R.Ambedkar and 6.Vir Savarker. Freedom struggle movement and relevance of Gandhian thought in modern period with special reference to 'Grāma Svarāja', 'Satyāgraha', 'Ahimsā' and 'Svadeśī' movement.
- Unit: II** Nationalism in Sanskrit Literature and Modern Indian Poetry :

Nationalist Trends of Modern Sanskrit

Literature with special reference to

1. 'Satyāgrahagītā' of Panditā Kṣamārāva;
2. 'Bhāratavijayanāṭakam' of Mathura Prashad Dikshita;
3. 'Gāndhīcaritam' of Charudeva Shastri;

4. 'Srisvāmivivekānandacaritam' of Tryambaka Sharma Bhandarkar. (Ref. Book : Tiwari, Shashi, *Rashtriyata evam Bharatiya Sahitya*, pp.113-139)

Nationalistic thought in Modern Hindi Poetry: 1. Bhartendu Harishchandra, 2. Ramdhari Singh 'Dinkar', 3. Jayashankar Prasad., 4. Maithili Sharan Gupta, 5. Makhanlal Chaturvedi, 6. Subhadra Kumari Chauhan. (Ref. Book : Tiwari, Shashi, *Rashtriyata evam Bharatiya Sahitya*, pp.140-219)

Nationalistic thought in Modern Urdu Poetry: 1. Muhammad Iqbal (Taran-e- Hindi),

2. Firakh Gorakh Puri (Aya Madar-e- Hind), 3. Sagar Nizami (Taran-e- Vatana),

4. Afsar Merathi (Vatan Ka Rag), 5. Ali Sardar Jafari (Yah Hindostan), 6. Ezaz Siddiqui

(Nagm-e- Vatan).

(Ref. Book : Akhtar, Jaan Nisar, *Hindostan Hamara*, part-1. pp.49-86)

Recommended Books/Readings:

1. Kāne PV : History of Dharma Śāstra, Bhandarkar Oriental Research Institute, Pune
2. Pandey Rajbali: Hindu, Samskara, Motilal Banarasi Das, Delhi
3. काणे पांडुरंग वामन – धर्मशास्त्र का इतिहास, अनुवादक अर्जुन चौर्ण काश्यप, उत्तर प्रदेश हिंदी संस्थान
4. पाण्डेय राजबलि – हिन्दू संस्कार – चौखम्बा विद्याभवन, वाराणसी 1978
5. जोशी लक्ष्मण शास्त्री – धर्मकोष, व्यवहारकाण्ड, विवादपदानि (प्रथम भाग) प्राज्ञ पाठशाला, वाई, सतारा, महाराष्ट्र
6. Upadhyay, V. : a. : Select Inscriptions (Part - I)
6. Upadhyay, V. : Prācīna Bhāratīya Abhilekha (Hindi)
7. Thapar, Romila : Asoka tathā Maurya Sāmrajya Kā Patana (Hindi)
8. Arthashastra of Kautilya—(ed.) Kangale, R.P. Delhi, Motilal Banarasidas 1965
9. Atharvaveda samhita(2 Vols)— (Trans.) R.T.H. Griffith, Banaras, 1896-97,

- 1968.
10. Mahabharata (7 Vols)— (Eng. Tr.) H.P. Shastri, London, 1952-59.
 11. Ramayana of Valmiki (3 Vols) — (Eng. Tr.) H.P. Shastri, London, 1952-59.
 12. Satapatha brahmana (3 Vols)— (Eng. trans. ed.) Jeet Ram Bhatt, E. B.L. Delhi, 2009.
 13. Visnu purana— (Eng. Tr.) H.H. Wilson, Punthi Pustak, reprint, Calcutta, 1961.
 14. कौटिलीय अर्थशास्त्र —हिन्दी अनुवाद —उदयवीर शास्त्री, मेहरचन्द लछमनदास, दिल्ली, 1968.
 15. महाभारत (1—6 भाग) — हिन्दी अनुवाद सहित, (अनु०) रामनारायण दत्त शास्त्री पाण्डेय, गीताप्रेस, गोरखपुर.
 16. यजुर्वेद— हिन्दी अनुवाद सहित, सातवलेकर, श्रीपाद दामोदर, पारडी
 17. विष्णुपुराण— हिन्दी अनुवाद सहित, (अनु०) मुनिलाल गुप्त, गीताप्रेस, गोरखपुर.
 18. शतपथब्राह्मण (1—5 भाग) (माध्यन्दिनीय शाखा) — सायणाचार्य एवं हरिस्वामी टीकासहित, दिल्ली, 1987.
 19. शुक्रनीति — हिन्दी अनुवाद, ब्रह्मशंकर मिश्र, चौखम्बा संस्कृत सीरीज, वाराणसी, 968.
 20. सत्याग्रहगीता— पण्डिता क्षमाराव, पेरिस, 1932.
 21. श्रीमद्वाल्मीकिरामायण — हिन्दी अनुवाद सहित, (सम्पा०) जानकी नाथ शर्मा, (1—2 भाग) गीताप्रेस, गोरखपुर.
 22. अख्तर, जान निसार (सम्पा०) —हिन्दोस्तौँ हमार (भाग—1), हिन्दुस्तानी बुक ट्रस्ट, मुंबई, 2006,
 23. कपूर, अनूप चन्द— राजनीतिविज्ञान के सिद्धान्त, प्रीमियर पब्लिशिंग हाउस, दिल्ली, 1967.
 24. गोस्वामी, योगेन्द्र (सम्पा०) — राष्ट्रीय एकता और भारतीय साहित्य, काशी अधिवेशन स्मृति ग्रन्थ, 2001.
 25. टंडन, कुमुद— महात्मागांधीपरक संस्कृत काव्य, ईस्टर्न बुक लिंकर्स, दिल्ली, 1991.
 26. तिवारी, मोहन चन्द —अष्टाचक्रा अयोध्या: इतिहास और परम्परा, उत्तरायण प्रकाशन, दिल्ली, 2006
 27. तिवारी, शशि— राष्ट्रीयता एवं भारतीय साहित्य, विधानिधि प्रकाशन, दिल्ली, 2007.
 28. तिवारी, शशि— संस्कृत साहित्य में राष्ट्रवाद और भारतीय राजशास्त्र, विधानिधि प्रकाशन दिल्ली, 2013.
 29. दीक्षित, हरिनारायण — संस्कृत साहित्य में राष्ट्रिय भावना ईस्टर्न बुक लिंकर्स, दिल्ली, 2006.

Vidyasagar University

Curriculum for B.A. (Honours) in Sanskrit[Choice Based Credit System]

Semester-V

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC- 11		C11T: Vedic Literature	Core Course - 11	5	1	0	6	75
CC- 12		C12T: Sanskrit Grammar	Core Course - 12	5	1	0	6	75
DSE-1		TBD	Discipline Specific Electives -1	5	1	0	6	75
DSE-2		TBD	Discipline Specific Electives -2	5	1	0	6	75
Semester Total							24	300

L= Lecture, **T**= Tutorial, **P** = Practical, **CC** - Core Course, **TBD** - To be decided, **DSE**: Discipline Specific Elective.

Semester-V

List of Core Course (CC)

CC-11: Vedic Literature

CC-12: Sanskrit Grammar

Discipline Specific Electives (DSE)

DSE-1A: Indian System of Logic and Debate

Or

DSE-1B: Art of Balanced Living

DSE-2A: Theatre and Dramaturgy in Sanskrit

Or

DSE-2B: Tools and Techniques for Computing Sanskrit Language

Semester: V

Core Courses

CC-11: Vedic Literature

Credits 06

C11T: Vedic Literature

Course Contents:

Prescribed Course:

Section 'A'	<i>Samhitā and Brāhmaṇa</i>
Section 'B'	Vedic Grammar
Section 'C'	Muṇḍakopaniṣad

Unit-Wise Division:

Section 'A'

Samhitā and Brāhmaṇa

Unit: I	<i>R̥gveda</i> - Agni- 1.1, Uṣas- 3.61, Akṣa Sūkta 10.34, Hiraṇyagarbha- 10.121
Unit: II	<i>Yajurveda</i> - Śivasamkalpa Sūkta- 34.1-6
Unit: III	<i>Atharvaveda</i> - Sāmmanasyam- 3.30, Bhūmi- 12.1-12

Section 'B'

Vedic Grammar

Unit: I	Declensions (<i>śabdarūpa</i>), Subjunctive Mood (<i>let</i>), Gerunds (<i>ktvārthaka</i> , <i>Tumarthaka</i>), Vedic Accent and Padapāṭha.
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Section 'C'

(Muṇḍakopaniṣad)

Unit: I *Muṇḍakopaniṣad* - 1.1 to 2.1

Unit: II *Muṇḍakopaniṣad* – 2.2 to 3.2

Recommended Books/Readings:

1. ऋग्वेदसंहिता (सायणाचार्यकृत भाष्य एवं हिन्दी व्याख्या सहित), (संस्करण) रामगोविन्द त्रिवेदी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली.
2. *Atharvaveda* (Śaunakīya): (Ed.) Vishva Bandhu, VVRI, Hoshiarpur, 1960.
3. शुक्लयजुर्वेदसंहिता, (पदपाठ, उव्वट—महीधर भाष्य संवलित दृढत्वबोधिनी 'हिन्दी व्याख्या सहित), (संस्करण) रामकृष्ण शास्त्री, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली.
4. *Śatapatha Brāhmaṇa* , (Ed.) Ganga Prasad Upadhyaya, SLBSRS Vidyapeeth, Delhi.
5. *Śuklayajurveda-Samhitā*, (Vājasaneyi-Mādhyandina), (Ed.) Jagadish Lal Shastri, MLBD, Delhi, 1978.
6. मुण्डकोपनिषद् (शाङ्कभाष्य), (संस्करण) जिया लाल काम्बोज, ईस्टर्न बुक लिंक्स, दिल्ली.
7. शशि तिवारी, विधानिधि प्रकाशन, दिल्ली
8. वैदिक संग्रह, कृष्णलाल, ईस्टर्न बुक लिंक्स, दिल्ली.
9. *Ṛksūktāvalī*, H.D. Velankar, Vaidika Sanshodhana Mandala, Pune, 1965.
10. *Ṛksūktavaijayantī*, H.D. Velankar, Bharatiya Vidya Bhavan, Bombay, 1972.
11. ऋक्सूक्तनिकरः, उमाशंकर शर्मा ऋषि, चौखम्बा ओरियंटालिया, वाराणसी.

CC-12: Sanskrit Grammar

Credits 06

C12T: Sanskrit Grammar

Course Contents:

Prescribed Course:

Section 'A'	Laghusiddhāntakaumudī : Saṃjñā prakaraṇa
Section 'B'	Laghusiddhāntakaumudī : Sandhi prakaraṇa
Section 'C'	Laghusiddhāntakaumudī : Vibhakti prakaraṇa

Unit-Wise Division:

Section 'A'
Laghusiddhantakaumudi: Saṃjñā Prakaraṇa

Unit: I *Saṃjñā Prakaraṇa*

Section 'B'
Laghusiddhantakaumudi: Sandhi Prakaraṇa

Unit: I	ac sandhi: <i>yaṇ, guṇa, dīrgha, ayādi, vṛddhi and pūrvarūpa.</i>
Unit: II	hal sandhi: <i>ścutva, śtutva, anunāsikātva, chhatva and jaśtva</i>
Unit: III	visarga sandhi: <i>utva, lopa, sarva and rutva</i>

Section 'C'
Laghusiddhāntakaumudī: Vibhaktiyartha Prakaraṇa

Unit: I *Vibhaktiyartha Prakaraṇa*

Recommended Books

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 नाम्नी हिन्दी व्याख्या सहिता, शिवालिक पब्लिकेशन, दिल्ली, 2014 ।
5. V.S. Apte, The Students' Guide to Sanskrit Composition, Chowkhamba Sanskrit Series, Varanasi (Hindi Translation also available).
6. M.R. Kale, Higher Sanskrit Grammar, MLBD, Delhi (Hindi Translation also available).
7. Kanshiram, Laghusiddhāntakaumudī (Vol. I), MLBD, Delhi, 2009.
8. Online Tools for Sanskrit Grammar developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi: <http://sanskrit.du.ac.in>.

Discipline Specific Electives (DSE)

DSE-1A: Indian System of Logic and Debate

Credits 06

DSE1AT: Indian System of Logic and Debate

Course Contents:

Indian System of Logic and Debate

Prescribed Course:

Section 'A' Fundamentals of Science of Debate

Section 'B' Syllogistic Logic

Section 'C' Theory of Debate

Unit-Wise Division:

Section 'A' Fundamentals of Science of Debate

Unit: I

Science of inquiry (*ānvīkṣikī*) & its importance, Growth of *ānvīkṣikī* into art of debate, The council of debate (*parīṣad*) & its kinds, Discussant (*vādī*), Opponent (*prativādī*), Judge (*madhyastha/prāśnika*).

Unit: II

The Method of debate (*sambhāṣāvidhi/vādaavidhi*) & its utility, Types of debate - congenial debate (*anuloma sambhāṣā*) & hostile debate (*virhaya sambhāṣā*), The expedience of debate (*vāadopāya*), The limits of debate (*vādamaryādā*).

Note : The definitions and concepts are to be taken only from the *Nyāyasūtra*, *Nyāyakośa* by Bhimacharya Jhalkikar and *A History of Indian Logic* by S. C. Vidyabhushan, Chapter III of Section I. The illustrations and examples must be taken from day to day life and philosophy.

Section 'B'

Syllogistic Logic

Unit: I

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* by inductive method, Five components of argument (*pañcāvayava*) – proposition (*pratijñā*), reason (*hetu*), example (*udāharaṇa*), application (*upanaya*) & conclusion (*nigamana*), the *hetu* term – its nature

and requirement, demonstration of pervasion – *upādhi and tark*, nature and variety of *tark*.

Note : The definitions and concepts are to be taken only from the *Tarkasaṃgraha* and *The Nyāya Theory of Knowledge* by S. C. Chatterjee, Chapters XI-XIV.

Section 'C'

Theory of Debate

Unit: I

Basic understanding of the following terms: Example (*drṣṭānta*), Tenet (*siddhānta*), Ascertainment (*nirṇaya*), Dialouge (*kathā*) and its kinds, Discussion (*vāda*), Wrangling (*jalpa*), Cavil (*vitandā*).

Unit: II

Quibble (*chala*) & its kinds; Analogue (*jāti*) and its important kinds (only first four, i.e. *sādharmyasama*, *vaidharmyasama*, *utkarṣasama* & *apakarṣasama*); Point of defeat (*nigrahassthāna*) & 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 only from the *Nyāyasūtra*, *Nyāyakośa* by Bhimacharya Jhalkikar and *A History of Indian Logic* by S. C. Vidyabhushan, Chapter II of

Section

II. The illustrations and examples must be taken from day to day life and philosophical examples must be abandoned.

Recommended Books/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., *Encyclopedia 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. *Tarkasaṅgraha* of Annambhaṭṭa (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.

OR

DSE-1B: Art of Balanced Living

Credits 06

DSE1BT: Art of Balanced Living

Course Contents:

Prescribed Course:

Total

Section 'A' Self-presentation

Section 'B' Concentration

Section 'C' Refinement of Behaviour

Unit-Wise Division:

Section 'A'
Self-presentation

Unit: I

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

Section 'B'
Concentration

Unit: I

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

Section 'C'
Refinement of Behavior

Unit: I

Methods of Improving Behavior : *jñāna-yoga*,
dhyāna-yoga, *karma-yoga* and *bhakti-yoga*
(especially *karma-yoga*)

Karma : A natural impulse, essentials for life
journey, co-ordination of the world, an ideal
duty and a metaphysical dictate (*Gītā*, 3.5, 8,
10-16, 20 & 21)

DSE-2A: Theatre and Dramaturgy in Sanskrit

Credits 06

DSE2AT: Theatre and Dramaturgy in Sanskrit

Course Contents:

Prescribed Course:

Section 'A'	Theatre: Types and Constructions
Section 'B'	Drama : <i>vastu</i> (subject-matter), <i>netā</i> (Hero) and <i>rasa</i>
Section 'C'	Tradition and History of Indian Theatre

Unit-Wise Division:

Section 'A'
Theatre: Types and Construction

Unit: I

Types of theatre: *vikṣṭa* (oblong), *caturasra* (square), *tryasra* (triangular), *jyeṣṭha* (big), *madhyama* (medium), *avara* (small). *bhūmiśodhana* (Examining the land) and *māpa* (measurement of the site), *mattavāraṇī* (raising of pillars), *raṅgapīṭha* and *rangaśīrṣa* (stage), *dārukarma* (wood-work), *nepathya-grha* (greenhouse), *prekṣopaveśa* (audience-hall), Doors for entrance & exit.

Section 'B'

Drama - *vastu* (subject-matter), *netā* (hero) and *rasa*

Unit: I

Definition of drama and its various names - *drśya*, *rūpa*, *rūpaka*, *abhineya*; abhinaya and its types: *āṅgika* (gestures), *vācika* (oral), *sāttvika* (representation of the sattva), *āhārya* (dresses and make-up).

Vastu: (subject-matter) : *ādhikārika* (principal), *prāsāṅgika* (subsidiary), Five kinds of *arthaprakṛti*, *kāryāvasthā* (stages of the action of actor) and *sandhi* (segments), *arthopakṣepaka* (interludes),

kinds of dialogue: 1. *sarvaśrāvya* or *prakāśa* (aloud)
2. *aśrāvya* or *svagata* (aside) 3. *niyataśrāvya* : *janāntika* (personal address), *apavārīta* (confidence) 4. *ākāśabhāṣita* (conversation with imaginary person).

Unit: II

Netā: Four kinds of heroes, Three kinds of heroines, *sūtradhāra* (stage manager), *pāripāśvika* (assistant of *sūtradhāra*), *vidūṣaka* (jester), *kañcukī* (chamberlain), *pratināyaka* (villain).

Unit: III

Rasa: definition and constituents, ingredients of *rasa-niṣpatti*: - *bhāva* (emotions), *vibhāva* (determinant), *anubhāva* (consequent), *sāttvikabhāva* (involuntary state), *sthāyibhāva* (permanent states), *vyabhicāribhāva* (complementary psychological states), *svāda* (pleasure), Four kinds of mental levels : *vikāsa* (cheerfulness), *vistāra* (exaltation), *kṣobha* (agitation), *vikṣepa* (perturbation).

Section 'C'

Tradition and History of Indian Theatre

Unit: I

Origin and development of stage in different ages: pre-historic, Vedic age, epic-puranic age, court theatre, temple theatre, open theatre, modern theatre: folk theatre, commercial theatre, national and state level theatre.

Recommended Books/Readings:

1. Ghosh, M.M. - *Nāṭyaśāstra of Bharatamuni*, pp. 18-32.
2. झा सीताराम, (1982) नाटक और रंगमंच, बिहार राष्ट्रभाषा परिषद् पटना, पृ. 171
175.
3. Hass, *The Daśarūpa: A Treatise on Hindu Dramaturgy*, kārika 7,8,11
24,30,36,43,48,57-65.
4. Hass, *The Daśarūpa: A Treatise on Hindu Dramaturgy*, kārikās 2/1-5,8,9,15.
5. Hass, *The Daśarūpa: A Treatise on Hindu Dramaturgy*, kārikās 4/1-8,43,44.

6. द्विवेदी, हजारी प्रसाद — नाट्यशास्त्र की भारतीय परंपरा और दशरूपक.
7. Farley P. Richmond, (2007), ed. *Indian Theatre: traditions of performance*, vol-I, Origins of Sanskrit Theatre, pp. 25-32.
8. ज्ञा सीताराम, (1982) नाटक और रंगमंच, पृ. 161—211.
9. Farley P. Richmond, (ed) *Indian Theatre: traditions of performance* vol-I Delhi, MLBD. 2007, pp. 25-32.
10. Ghosh, M.M, *Nāṭyaśāstra of Bharatamuni*, vol-1, Manisha Granthalaya, Calcutta, 1967.
11. Hass, *The Daśarūpaka : A Treatise on Hindu Dramaturgy*, Columbia University, New York, 1912.
12. नागर, रविशंकर, नाट्यशास्त्र, अभिनवभारती टीका सहित, परिमल पब्लिकेशन दिल्ली.
13. द्विवेदी, हजारी प्रसाद, नाट्यशास्त्र की भारतीय परंपरा और दशरूपक, राजकमल प्रकाशन दिल्ली, 1963.
14. त्रिपाठी, राधावल्लभ — भारतीय नाट्यशास्त्र की परम्परा और विश्व रंगमंच, प्रतिभा प्रकाशन, दिल्ली, 1999.
15. त्रिपाठी, राधावल्लभ (सं०) संक्षिप्तनाट्यशास्त्र, वाणीप्रकाशन, दिल्ली, 2008.
16. ज्ञा, सीताराम, नाटक और रंगमंच, बिहार राष्ट्रभाषा परिषद्, पटना, 1981.
17. मिश्र, भारतेन्दु, भरतकालीन कलाएँ, प्रतिभा प्रकाशन, दिल्ली, 2004.
18. त्रिपाठी, राधावल्लभ, भारतीय नाट्यः स्वरूप और परंपरा, हरिसिंह गौर विश्वविद्यालय, सागर, 1988.
19. गैरोला, वाचस्पति — भारतीय नाट्यपरम्परा और अभिनयदर्पण, इलाहाबाद, 1967.

OR

DSE-2B: Tools and Techniques for Computing Sanskrit Language

Credits 06

DSE2BT: Tools and Techniques for Computing Sanskrit Language

Course Contents:

Prescribed Course:

Section 'A'	Sanskrit and Language Computing
Section 'B'	Language Computing Methodology and Survey

Unit-Wise Division:

Section 'A'
Sanskrit and Language Computing

Unit: I	Sanskrit Phonology, Sanskrit Morphology, Syntax Semantics, Lexicon, Corpora
Unit: II	Introduction, Objective, Tools, Techniques, Methodology Sanskrit Language Resources and Tools.

Section 'B'
Language Computing Methodology and Survey

Unit: I	Rule Base, Statistical and Hybrid
Unit: II	Language Computing Survey

Recommended Books/Readings:

- 1 Akshar Bharati, Vineet Chaitanya and Rajeeva Sanghal, Natural Language Processing: A Paninian Prospective, Prentice Hall of India, New Delhi, 1995.
- 2 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.
- 3 Subhash Chandra, Computer Processing of Sanskrit Nominal Inflections: Methods and Implementation, Cambridge Scholars Publishing, (CSP), 2011.

- 4 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.
- 5 Teachers Notes and Handout.
- 6 E-contents suggested by teachers.
- 7 Various Materials from Internet
- 8 Daniel Jurafsky and James H. Martin, Speech and Language Processing, Prentice Hall; 2008
- 9 Tools developed by Computational Linguistics Group, Department of Sanskrit, University of Delhi, Delhi-110007 available at: <http://sanskrit.du.ac.in>

Vidyasagar University

Curriculum for B.A. (Honours) in Sanskrit [Choice Based Credit System]

Semester-VI

Course	Course Code	Name of the Subjects	Course Type/ Nature	Teaching Scheme in hour per week			Credit	Marks
				L	T	P		
CC- 13		C13T: Ontology and Epistemology	Core Course - 13	5	1	0	6	75
CC- 14		C14T: Sanskrit Composition and Communication	Core Course - 14	5	1	0	6	75
DSE-3		TBD	Discipline Specific Electives -3	5	1	0	6	75
DSE-4		TBD	Discipline Specific Electives -4	5	1	0	6	75
Semester Total							24	300

L= Lecture, **T**= Tutorial, **P** = Practical, **CC** - Core Course, **TBD** - To be decided, **DSE**: Discipline Specific Elective.

Semester-VI

List of Core Course (CC)

CC-13: Ontology and Epistemology

CC-14: Sanskrit Composition and Communication

Discipline Specific Electives (DSE)

DSE-3A: Sanskrit Linguistics

Or

DSE-3B: Computational Linguistics for Sanskrit

DSE- 4A: Fundamentals of Ayurveda

Or

DSE- 4B: Environmental Awareness in Sanskrit Literature

Semester: VI

Core Courses

CC-13: Ontology and Epistemology

Credits 06

C13T: Ontology and Epistemology

Course Contents:

Prescribed Course

Section 'A' Essentials of Indian Philosophy

Section 'B' Ontology (Based on Tarkasaṃgraha)

Section 'C' Epistemology (Based on Tarkasaṃgraha)

Unit-Wise Division:

Section 'A'

Essentials of Indian Philosophy

Unit: I Meaning and purpose of darśana, general classification of philosophical schools in classical Indian philosophy

Unit: II Realism (*yathārthavāda* or *vastuvāda*) and Idealism (*pratyayavāda*), Monism (*ekattvavāda*), Dualism (*dvaitavavāda*) & Pluralism (*bahuttvavāda*) ; dharma (property)-dharmi (substratum)

Unit: III

Causation (*kāryakāraṇavāda*) : naturalism (*svabhāvavāda*), doctrine of pre-existence of effect (*satkāryavāda*), doctrine of real transformation (*pariṇāmavāda*), doctrine of illusory transformation (*vivartavāda*), doctrine of non-preexistence of effect in cause (*asatkāryavāda* and *ārambhavāda*)

Section 'B'

Ontology

Unit: I

Concept of padārtha, three dharmas of padārthas, definition of Dravya,

Unit: II

Sāmānya, Viśeṣa, Samavāya, Abhāva.

Unit: III

Definitions of first seven dravyas and their examination; Ātma and its qualities, manas.

Unit: IV

Qualities (other than the qualities of the ātman)
Five types of Karma.

Section 'C'

Epistemology

Unit: I

Buddhi(jñāna) – nature of jñāna in Nyāya

vaiśeṣika;

smṛiti-anubhava; yathārtha and ayathārtha ,

Karaṇa and kāraṇa, definitions and types of

Unit: II

pramā,

kartā-kāraṇa-vyāpāra-phala, model

Unit: III	Pratyakṣa
Unit: IV	Anumāna including hetvābhāsa
Unit: V	Upamāna and śabda pramāṇa
Unit: VI	Types of ayathārtha anubhava

Recommended Books/Readings:

1. A Primer of Indian Logic, Kuppaswami Shastri, Madras, 1951.
2. Tarkasaṃgraha of Annambhaṭṭa (with Dīpikā & Nyāyabodhinī), (Ed. & Tr.) Athalye & Bodas, Mumbai, 1930.
3. Tarkasaṃgraha of Annambhaṭṭa (with Dīpikā & Nyāyabodhinī), (Ed. & Tr.) Virupakshananda, Sri Ramkrishna Nath, Madras, 1994.
4. Tarkasaṃgraha of Annambhaṭṭa (with Dīpikā commentary with Hindi Translation), (Ed. & Tr), Pankaj Kumar Mishra, Parimal Publication, Delhi-7. 2013.
5. Tarkasaṃgraha, Narendra Kumar, Hansa Prakashan, Jaipur.
6. Chatterjee, S. C. & D. M. Datta - Introduction to Indian Philosophy, Calcutta University, Calcutta, 1968 (Hindi Translation also).
7. Chatterjee, S. C. – The Nyāya Theory of Knowledge, Calcutta, 1968.
8. Hiriyanna, M. - Outline of Indian Philosophy, London, 1956 (also Hindi Translation).
9. Radhakrishnan, S. - Indian Philosophy, Oxford University Press, Delhi, 1990.
10. Chatterjee, S.C. & : Introduction to Indian Philosophy, Calcutta
11. D.M. Dutt (हिन्दी अनुवाद — भारतीय दर्शन)
12. Bhattacharya, Chandrodaya, The Elements of Indian Logic and Epistemology,
13. Maitra, S.K., Fundamental Questions of Indian Metaphysics & Logic,

CC-14: Sanskrit Composition and Communication

Credits 06

C14T: Sanskrit Composition and Communication

Course Contents:

Prescribed Course:

Section 'A'	Vibhaktyartha, Voice and Kṛt
Section 'B'	Translation and Communication
Section 'C'	Essay

Unit-Wise Division:

Vibhaktyartha, Voice & Kṛt

Section 'A'

- Unit: I
- (i). *Vibhaktyartha Prakaraṇa* of *Laghusiddhāntakaumudī*
 - (ii). Voice (*katṛ, karma* and *bhāva*)
- Selections from *Kṛt Prakaraṇa* from *Laghusiddhāntakaumudī* Major Sūtras for the formation of *kṛdanta* words

Unit: II

(*tavyat, tavya, anīyar, yat, nyat, ṇvul, tric, aṇ, kta, katavatu, śatṛi, śānac, tumun, ktvā-lyap, lyuṭ, ghan, ktin*)

Section 'B'

Translation and Communication

- Unit: I
- (i). Translation from Hindi/English to Sanskrit on the basis of cases, Compounds and kṛt suffixes.
 - (ii). Translation from Sanskrit and Hindi

Unit: II Communicative Sanskrit: Spoken Sanskrit.

Section 'C'

Essay

Unit: I Essay (traditional subjects) e.g. *veda, upniṣad, Sanskrit Language, Sanskriti, Rāmāyaṇa, Mahābhārata, purāṇa, gītā*, principal Sanskrit poets.

Unit: II Essay based on issues and topic related to modern subjects like entertainment, sports, national and international affairs and social problems.

Recommended Books/Readings:

1. शास्त्री, धरानन्द — लघुसिद्धान्तकौमुदी , मूल एवं हिन्दी व्याख्या, मोतीलाल बनारसीदास, दिल्ली.
2. शास्त्री, भीमसेन — लघुसिद्धान्तकौमुदी, भौमीव्याख्या (भाग— 1), भौमीप्रकाशन, दिल्ली.
3. नौटियाल, चक्रधर — बृहद्—अनुवाद—चन्द्रिका, मोतीलाल बनारसीदास, दिल्ली.
4. पाण्डेय, राधामोहन — संस्कृत सहचर , स्टूडेंट्स फ्रेंड्स, पटना.
5. द्विवेदी, कपिलदेव — रचनानुवादकौमुदी, विश्वविद्यालय प्रकाशन, वाराणसी.
6. द्विवेदी, कपिलदेव — संस्कृतनिबन्धशतकम् विश्वविद्यालय प्रकाशन, वाराणसी Apte, V.S. - *The Students' Guide to Sanskrit Composition*, Chowkhamba Sanskrit Series, Varanasi (Hindi Translation also available).
7. Kale, M.R. - *Higher Sanskrit Grammar*, MLBD, Delhi (Hindi Translation also available).
8. Kanshiram- *Laghusiddhāntakaumudī* (Vol.1), MLBD, Delhi, 2009.

Discipline Specific Electives (DSE)

Credits 06

DSE-3A: Sanskrit Linguistics

DSE3AT: Sanskrit Linguistics

Course Contents:

Prescribed Course

Section 'A' भाषाशास्त्र

Course Objectives:

Unit-Wise Division:

Section 'A'

भाषाशास्त्र

Unit: I

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

Unit: II

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

Unit: III

संस्कृत एवं भारोपीय भाषापरिवार

Unit: IV

संस्कृत एवं तुलनात्मक भाषाविज्ञान के इतिहास का सामान्य परिचय

Recommended Books/Readings:

1. तिवारी, भोलानाथ, तुलनात्मक भाषाविज्ञान, मोतीलाल बनारसीदास, दिल्ली, 1974.
2. तिवारी, भोलानाथ, भाषाविज्ञान, किताबमहल, इलाहाबाद, 1992.
3. द्विवेदी, कपिलदेव, भाषाविज्ञान एवं भाषाशास्त्र, विश्वविद्यालय प्रकाशन, वाराणसी, 2001.
4. शर्मा, देवेन्द्रनाथ, भाषाविज्ञान की भूमिका, राधाकृष्ण प्रकाशन, दिल्ली, 2014
5. व्यास, भोलाशंकर, संस्कृत का भाषाशास्त्रीय अध्ययन, चौखम्बा विद्याभवन, 1957.
1. Burrow, T., Sanskrit Language (also trans. into Hindi by Bholashankar Vyas), Chaukhamba Vidya Bhawan, 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. Jespersen, 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.

OR

DSE-3B: Computational Linguistics for Sanskrit

Credits 06

DSE3BT: Computational Linguistics for Sanskrit

Course Contents:

Computational Linguistics for Sanskrit

Prescribed Course:

Section 'A'	Theoretical Concepts of Computational Linguistics
Section 'B'	Applied Areas of Computational Linguistics
Section 'C'	Data Storage: An Introduction to Databases

Unit-Wise Division:

Section 'A'

Theoretical Concepts of Computational Linguistics

Unit: I

Language and Communication, Levels of Language, Phonemes, Morphemes, POS, Lexicon, Syntax, Semantics, Discourse, Natural Language vs Artificial Language, Speech and Language, Grammars, Computer as Intelligent Devices, Human 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

Survey of Computational Linguistics

Section 'B'

Applied Areas of Computational Linguistics

Morphological Analyzer/Speech/Speaker

Unit: I

Machine Translation.

Section 'C'
Data Storage: An Introduction to Databases

Unit: I

Databases and Database Systems, Architecture of Database Systems, Historical Perspective of Database Systems.

Recommended Books/Readings:

2. Bharti A., R. Sangal, V. Chaitanya, "NL, Complexity Theory and Logic" in Foundations of Software Technology and Theoretical Computer Science, Springer, 1990.
3. Chandra, Subhash and Jha, GN. Computer Processing of Nominal Inflections in Sanskrit: Methods and Implementations, CSP, UK, 2012.
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. Teacher's notes and selected research paper suggested by teachers.
13. Important E-contents suggested by Teachers.
14. R. Elmasri, S.B. Navathe, Fundamentals of Database Systems (5th Ed.), Pearson Education.

DSE- 4A: Fundamentals of Ayurveda

Credits 06

DSE4AT: Fundamentals of Ayurveda

Course Contents:

Prescribed Course:

Section 'A'	Introduction of Āyurveda
Section 'B'	Carakasamhitā – (Sūtra-sthānam)
Section 'C'	Taittirīyopaniṣad

Unit-Wise Division:

Section 'A'
Introduction of Āyurveda

Unit: I	Introduction of Āyurveda, History of Indian Medicine in the pre-caraka period, The two schools of Āyurveda: Dhanvantari and Punarvasu.
Unit: II	Main Ācāryas of Āyurveda – Caraka, Suśruta, Vāgbhaṭṭa, Mādhava, Sārṅgadhara and Bhāvamiśra

Section 'B'
Carakasamhitā – (Sūtra-sthānam)

Carakasamhitā – (Sūtra-sthānam): Division of Time and condition of nature and body in six seasons.

Unit: I	Regimen of Fall Winter (Hemanta), Winter (Śiśira) & Spring (Vasanta) seasons. Regimen of Summer (Grīṣma), Rainy (Varṣā) and Autumn (Sharada) Season.
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Section 'C'
Taittirīyopaniṣad

Unit: I Taittirīyopaniṣad—Bhṛguvalli, anuvak 1- 3

Unit: II Taittirīyopaniṣad—Bhṛguvalli, anuvak 1- 3

Suggested Books/Readings:

1. Brahmananda Tripathi (Ed.), Carakasamhitā, Chaukhamba Surbharati Prakashana, Varanasi, 2005.
2. Taittirīyopaniṣad –Bhṛguvalli.
3. Atridev Vidyalkar, Ayurveda ka Brhad itihasa.
4. Priyavrat Sharma, Caraka Chintana.
5. V. Narayanaswami, Origin and Development of Āyurveda (A brief history), Ancient Science of life, Vol. 1, No. 1, July 1981, pages 1-7.

OR

DSE- 4B: Environmental Awareness in Sanskrit Literature

Credits 06

DSE4BT: Environmental Awareness in Sanskrit Literature

Course Contents:

Prescribed Course

Section 'A' Environmental Issues and Importance of Sanskrit Literature

Section 'B' Environment Awareness in Vedic Literature

Section 'C' Environment Awareness in Classical Sanskrit Literature

Unit-Wise Division

Section 'A'

Modern Environmental Perspective and Sanskrit Literature

Science of Environment : Definition, Scope and Modern Crises :

Unit: I Role of Environment in human civilization; Meaning and definitions of The Environment; Various name for Science of Environment: 'Ecology', 'Paryavarana', 'Prakriti Vijnana'; Main components of Environment: living organisms(*Jaiva Jagat*) and non-living materials (*Bhoutika Padarth*). Elementary factor of Environment Physical elements, Biological elements and Cultural elements

Unit: II Modern Challenges and Crises of Environment : Global warming, Climate change, Ozone depletion, Explosively increase in Pollution, Decrease in underground water level, River pollution, Deforestation in large scale. Natural calamities such as flood , draft and earthquakes

Unit: III Environmental Background of Sanskrit Literature : Importance of Sanskrit Literature from the view point of Science of environment ; 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 in forests, and water preservation techniques as propounded in the Sanskrit Literature. Buddhist and Jain concepts of ecology, protection of trees, love for animals and birds;

Section 'B'

Environment Awareness in Vedic Literature

Unit: I

Environmental Issues and Eco-system in Vedic Literature
Divinity to Nature, Co-ordination between all natural powers of universe; Cosmic order 'Rta' as the guiding force for environment of whole universe (*Rgveda*, 10.85.1); Equivalent words for Environment in *Atharvaveda*: 'Vritavrita' (12.1.52), 'Abhivarah' (1.32.4.), 'Avritah' (10.1.30), 'Parivrita' (10.8.31); five basic elements of universe covered by environment: Earth, Water, Light, Air, and Ether. (*Aitareya Upanishad* 3.3); Three constituent elements of environment known as 'Chandansi': Jala (water), Vayu (air), and Osadhi (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) (*Rigveda*, 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,

Unit: II

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' (*Rgveda*, 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 Upanishads (*Brhadaranyaka Upanishad*, 3.9.28, *Taittiriya Upanishad*, 5.101, *Iso-Upanishad*, 1.1)

Section 'C'

Environment Awareness in Classical Sanskrit Literature

Unit: I

Environmental Awareness and Tree plantation :
Planting of Trees in Puranas as a pious activity (*Matasya Purana*, 59.159; 153.512; *Varaha Purana* 172. 39), Various medicinal trees to be planted in forest by king (*Sukraniti*, 4.58-62)

Plantation of new trees and preservation of old trees as royal duty of king (*Arthashastra*, 2.1..20); Punishments for destroying trees and plants (*Arthashastra*, 3.19), Plantation of trees for recharging under ground water (*Brhatsamhita*, 54.119)

Unit: II

Environmental Awareness and Water management :
Various types of water canals 'Kulya' for irrigation : canal originated from river 'Nadimatr mukha kulya', canal originated from nearby mountain 'Parvataparsva vartini kulya', canal originated from pond, 'Hrdasrta kulya', Preservation of water resources 'Vapi -kupa -tadaka' (*Agnipuranas*, 209-2; *V.Ramayana*, 2.80.10-11); Water Harvesting system in *Arthashastra* (2.1.20-21); Underground Water Hydrology in *Brhatsamhita* (*Dakargaiadhyaya*, chapter-54);

Unit: III

Universal Environmental Issues in Literature of Kalidasa : Eight elements of Environment and concept of 'Astamurti' Siva (*Abhijnasakuntalam* 1.); Preservation of forest, water resources, natural resources; protection of animals, birds and plant in Kalidasa's works, Environmental awareness in *Abhijnasakuntalam* Drama, Eco- system of indian monsoon in *Meghdoot*, Seasonal weather conditions of Indian sub continent in *Rtusamhara*, Himalayan ecology in *Kumarasambhava*, Oceanography in *Raghuvamsa* (canto-13).

Recommended Books

1. *Arthashastra of Kautilya*—(ed.) **Kangale, R.P.** Delhi, **Motilal Banarasidas** 1965
2. *Atharvaveda samhita*. (2 Vols — (Trans.) R.T.H. Griffith, Banaras 1968.
3. *Ramayana* of Valmaki (3 Vols)— (Eng. Tr.) H.P. Shastri, London, 1952-59.
4. *Rgveda samhita* (6 Vols)— (Eng. Tr.) H.H. Wilson, Bangalore, 1946.
5. कौटिलीय अर्थशास्त्र —हिन्दी अनुवाद —उदयवीर शास्त्री, मेहरचन्द लछमनदास, दिल्ली, 1968.
6. बृहत्संहिता— वराहमिहिर विरचित, हिन्दी अनुवाद— बलदेव प्रसाद मिश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुम्बई.
7. यजुर्वेद— हिन्दी अनुवाद सहित, सातवलेकर, श्रीपाद दामोदर, पारडी
8. शुक्रनीति — हिन्दी अनुवाद, ब्रह्मशंकर मिश्र, चौखम्बा संस्कृत सीरीज, वाराणसी, 968.
9. श्रीमद्वाल्मीकिरामायण — हिन्दी अनुवाद सहित, (सम्पा०) जानकी नाथ शर्मा, (1 —2 भाग)

गीताप्रेस, गोरखपुर.

10. ठाकुर, आद्यादत्त— वेदों में भारतीय संस्कृति, हिन्दी समिति, लखनऊ, 1967.
11. तिवारी, मोहन चन्द —अष्टाचक्रा अयोध्या: इतिहास और परम्परा, उत्तरायण प्रकाशन, दिल्ली, 2006. तिवारी, शशि—
12. विद्यालंकार, सत्यकेतु — प्राचीन भारतीय शासनव्यवस्था और राजशास्त्र, सरस्वती सदन, मसूरी, 1968.
13. सहायकचशिवस्वरूपकच प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली, 2012 कौटिलीय अर्थशास्त्र —हिन्दी अनुवाद —उदयवीर शास्त्री, मेहरचन्द लछमनदास, दिल्ली, 1968.
14. बृहत्संहिता— वराहमिहिर विरचित, हिन्दी अनुवाद— बलदेव प्रसाद मिश्र, खेमराज श्रीकृष्णदास प्रकाशन, मुम्बई.
15. यजुर्वेद— हिन्दी अनुवाद सहित, सातवलेकर, श्रीपाद दामोदर, पारडी
16. शुक्रनीति — हिन्दी अनुवाद, ब्रह्मशंकर मिश्र, चौखम्बा संस्कृत सीरीज, वाराणसी, 968.
17. श्रीमद्वाल्मीकिरामायण — हिन्दी अनुवाद सहित, (सम्पा०) जानकी नाथ शर्मा, (1 —2 भाग) गीताप्रेस, गोरखपुर.
18. ठाकुर, आद्यादत्त— वेदों में भारतीय संस्कृति, हिन्दी समिति, लखनऊ, 1967.
19. तिवारी, मोहन चन्द —अष्टाचक्रा अयोध्या: इतिहास और परम्परा, उत्तरायण प्रकाशन, दिल्ली, 2006. तिवारी, शशि—
20. विद्यालंकार, सत्यकेतु — प्राचीन भारतीय शासनव्यवस्था और राजशास्त्र, सरस्वती सदन, मसूरी, 1968.
21. सहायकचशिवस्वरूपकच प्राचीन भारत का सामाजिक एवं आर्थिक इतिहास, मोतीलाल बनारसीदास, दिल्ली, 2012
22. Bhandarkar, RG— *Vaishnavism, Saivism and Minor Religious Systems*, Indological Book House, Varanasi, 1965
23. Das Gupta, SP— *Environmental Issues for the 21st Century*, Amittal Publications, New Delhi, 2003
24. Dwivedi, OP, Tiwari BH — *Environmental Crisis and Hindu Religion*, Gitanjali

- Publishing House, New Delhi, 1987
25. Dwivedi, OP — *The Essence of the Vedas*, Visva Bharati Research Institute, Gyanpur, Varanasi, 1990
 26. Jernes, H (ed.) — *Encyclopedia of Religion and Ethics* (Vol. II), New York: Charles Scribner Sons, 1958.
 27. Joshi, PC, Namita J — *A Textbook of Environmental Science*, A.P.H. Publishing Corporation, New Delhi, 2009
 28. Sinha, KR) — *Ecosystem Preservation Through Faith and Tradition in India*. J. Hum. Ecol., Delhi University, New Delhi, 1991
 29. Trivedi, PR — *Environmental Pollution and Control*, A.P.H. Publishing Corporation, New Delhi, 2004
 30. Pandya, Smta P. — *Ecological Renditions in the Scriptures of Hinduism – I* (article) *Bulletin of the Ramakrishna Mission Institute of Culture*.
 31. Renugadevi, R. — *Environmental Ethics in the Hindu Vedas and Puranas in India*, (article) *African Journal of History and Culture*, Vol. 4(1), January 2012
 32. Kumar, B M. — *Forestry in Ancient India: Some Literary Evidences on Productive and Protective Aspects*, (article) *Asian Agri- History*, Vol. 12, No. 4, 2008.
 34. Kiostermair, Klaus — *Ecology and Religion: Christian and Hindu Paradigms* (article) *Jornal of Hindu-Christian Studies*, Butler university Libraries, Vol. 6, 1993
 35. अग्निपुराण : _____ तथा हिंदी अनुवाद तारिणीया झा एवं घनश्याम त्रिपाठी, हिंदी साहित्य सम्मलेन, इलाहाबाद, 1998
 36. ईशोपनिषद – गीता प्रेस, गोरखपुर संस्करण
 37. तैत्तिरीयोपनिषद – ईशादिदशोपनिषद, दिल्ली, 1964
 38. बृहदारण्यकोपनिषद – (108 उपनिषद) ज्ञानखंड, सम्या० श्री एम. शर्मा, शांति कुंज, हरिद्वार, 1997
 39. ऐतरेयोपनिषद - (108 उपनिषद) ज्ञानखंड, सम्या० श्री एम. शर्मा, शांति कुंज, हरिद्वार, 1997
 40. मत्स्यपुराण – आनंदाश्रय संस्कृत सीरीज, पूजा, 1907
 41. ओझा, डी.डी., विज्ञान और वेड, साइंटिफिक पब्लिशर्स, जोधपुर, 2005
 42. द्विवेदी, कपिल देव, वेदों में विज्ञान, विख्याति अनुसंधान परिषद्, यदोई 2004
 43. पंडा, पी. के. , कालिदास का साहित्य आधुनिक परिप्रेक्ष्य में, विद्यानिधि प्रकाशन, दिल्ली – 2009
 44. सेमवाल, श्री कृष्णा (सम्या०), 'संस्कृत वाङ्मये कृषि विज्ञानम' दिल्ली संस्कृत अकादमी, 2006
 45. द्विवेदी, रेवा प्रसाद, कालिदास ग्रन्थावली