DDU Gorakhpur University, Gorakhpur

Department of Sanskrit & Prakrit Languages

Ph. D. COURSE WORK

in

SANSKRIT

Preamble

The present course has been started by the dept. of Sanskrit with the aim of facilitating Research in Sanskrit. The course consists of course work of one semester and writing of thesis in an area of Sanskrit under the supervision on the department. The course work intends to inform the students about the collection of matter, statistical analysis and built concepts, theories, practical practices and research methodologies in relation to Sanskrit. The Ph.D. course work comprises core course of 09 credits, discipline specific courses of 06 credits and research theme specific courses of 06 credits.

Department of Sanskrit & Prakrit Languages

DDU Gorakhpur University, Gorakhpur

Faculty of Arts

Course Work for Ph. D. Sanskrit Students

Every student admitted in Sanskrit for the Ph. D. programme will be required to pass a course work of minimum 21 credits. The division of this 21 credits course work is in three categories. Category-A (9 credits) courses are *compulsory* for all Ph. D. students of Sanskrit. Category-B (6-credits) courses are *discipline-specific courses*. Category-C (6 credits) courses are *research theme- specific courses*.

Course Nature	Course Code	Core Courses	Credit
		(Compulsory Course)	
Compulsory Course	SKT 601	Research Methodology	4+0
	SKT 602	Research and Publication Ethics	1+1
	SKT 603	Computer Fundamentals and IT	1+1
	SKT 604	Credit Seminar	0+1
			09 Credits
		Elective Course (*Any two of the following*)	
Discipline-Specific Courses	SKT 605	Veda and vedic Literature	03
	SKT 606	Purana Vanmaya	03
	SKT 607	Bhasha Vijnana	03
	SKT 608	Bharatiya Darshan	03
	SKT 609	Kavya Shastra	03
	SKT 610	Vyakarana	03
			06 Credits
		Open Elective Course (*Any two of the following*)	
Research Theme-Specific Courses	SKT 611	Rasearch on Vedic Vanmaya	03
	SKT 612	Research on Vyakarana and Bhasha Vijnana	03
	SKT 613	Research on Sanskrit Literature	03
	SKT 614	Research on Indian Philosophy	03
	SKT 615	Comparative Research in Sanskrit and English Literature	03
	SKT 616	Comparative Research in Sanskrit and Hindi Literature	03
	SKT 617	Comparative Research in Sanskrit and Urdu Literature	
			06 Credits
		Thesis	Non Credit
		Total	**21 Credits**

Research Methodology

Course Code: SKT 601   **Credits: 04**

Programmers Specific Outcome :- The course aims at training students for taking up systematic study and research in specific area of interest and acquaints them with the existing tools and techniques for that purpose. Each student in expected to do a survey of Sanskrit researches in general, in order to know how much has already been done and what remains. They should also be prepared to participate in the contemporary discourses and for that, they would be exposed to the traditional model and language of discourage through this course.

Course Outcome :- The students will learn basics of research and research process. The course will enable the students to conduct research work, formulate research synopsis and complete it.

Origin of Research, Objectives of Research, Motivation and Necessity of Research, Different synonyms of Research, Types of Research, Research Approaches, Significance and Relevance of Research, Criteria of Good Research, Major Research Mile Stones in Ancient Period, Historical Glimpses, Some Contribution of ancient Indian scholars.

What is Research Problem?, Selection of Problem, matter collection, Identification of Problem, Fixing Domain and Boundaries, Methods and Techniques, Variables, Parameters and Constants, Classification, Computer Orientation of Research Problems, Research paper Preparation, Writing a Synopsis, writing a research summary, reference and Bibliography.

Preparing a Research Project Proposal, Writing a Dissertation, Writing Thesis, Organizing Review Articles, Plagiarism Prevention, Presentation of Project Proposal, Presentation of Research papers. Subject Classifications such as Mathematics Subject Classifications (MSC). Physics and Astronomy classification Scheme (PACS),etc. E Resources such as Mathematical Review, Math SciNet ,etc.

Suggested Readings:

1. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
2. Kothari, C.R., 1990. Research Methodology: Methods and Techniques. New Age International, 418p.
3. Day, R.A., 1992. How to write and publish a Scientific paper, Cambridge University Press.
4. Fink, A.,2009. Conducting Research Literature Reviews: From the internet to paper. Sage Publications.
5. Satarkar, S.V.,2000. Intellectual property rights and copyright. EssEss Publications.
6. Saxena, V.P.,2013. Lecture Notes on Research Methodology. Indra Publishing House.
7. Dwrivedi, Rahas Bihari, Shodhanusandhanpravidhi, Jabalpur, 2011
8. Dr. Shail kumara, Shodhtantra aur siddhanta,1976 lokvani prakashan , D15, Krishnanagar, Delhi 110051
9. Dr. Sharma, Sarnam singh, Shodh pravidhi, Delhi 1981

Research and Publication Ethics

Course Code: SKT 602   **Credits: 02**

P.S.O. 1 -   This course aims at teaching the students about the ethics of research and its philosophical aspects. They will be able to know about plagiarism and conduct their research without any ethical laps. This course will help them in publication.

C.O. **1 -**   The students will learn the ethics of research and publication

Theory:-
1. Philosophy and Ethics: Introduction to philosophy, definition, nature and scope, concept, branches, Ethics definition, moral philosophy, nature of moral judgments and reactions.
2. Scientific conduct: Ethics with respect to science and research, Intellectual honesty and research integrity, scientific misconduct: Falsification, Fabrication and Plagiarism (FFP), Redundant publication: duplicate and overlapping publication, salami slicing, Selective reporting and misrepresentation of data.
3. Publication Ethics: definition, introduction and importance, best practices/ standard setting initiatives and guidelines: COPE, WAME, etc, conflict of interest, publication misconduct, definition concept, problems that lead to unethical behavior and vice-versa, types, Violation of publication Ethics, Authorship and contributor ship, identification of publication misconduct, complain and appeals, Predatory publisher and journals.

Practice:-
1. Open Access Publishing: open Access publication and initiatives, SHERPA/ RoMEO online resource to check publisher copyright and self-archiving policies, Software tool to identify predatory publication developed by SPPU, Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester,etc.
2. Publication Misconduct: Group Discussion regarding subject specific Ethical Issues, FFP, Authorship, conflict of Interest, complaints and appeals: example and fraud from India and abroad.
3. Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software tools
4. Databases and Research Metrics: Databases: Indexing databases, Citation database: web of Science, Scopus etc. Research Metrics: Impact factor of journal as per journal citation report, SNIP, SJR, IPP, Cite, Metrics: h-index, g-index, i10 index,altmetrics.

Suggested Readings:

(1) P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN:978-9387480865
(2) Resnik, D. B. (2011). What is ethics in research & why is it important. National Institute of Environmental Health Sciences, 1-10. Retrived from http://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm
(3) Indian National Science Academy (INSA), Ethics in Science Education, Reasearch and Governance(2019),ISBN:978-81-939482-1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf
(4) Bird, A. (2006)- Philosophy of Science.
(5) MacIntyre, Alasdair (1967)- A short History of Ethics.
(6) National Academy of Science, National Academy of Engineering and institute of Medicine (2009) On being a Scientist: A Guide of Responsible Conduct in Research.
(7) Beall, J. (2012) – Predatory publishers are corrupting open access. Nature, 489(7415).

Computer Fundamentals and IT

Course Code: SKT 603   **Credits: 02 (1+1)**

P.S.O. 1 - This course aims at teaching the students about the basics of computer and its application in research. They will be acquainted how to use M.S. Word, M.S. Excel etc. and learn power point presentation of their research
C.O. 1 - The students will know the use of computer for their research.

Computer Basics: Definition, Characteristics of Computers, Evolution of Computer, Generations of Computer, Classification of Computers, Applications of Computers, Computer System and its Components, Computer Memory, Memory Capacity, Input and Output Devices, Software and Hardware, System Software and Application Software, Operating System Definition and Functions, Working with Windows, File Management in Windows, System Utilities in Windows.

Introduction of MS-Word: The screen and its elements, Creating new documents, Writing and Simple Formatting, Page layout, Table, Pictures and Graphics.

Introduction of MS-Excel and Power Point: Basics of MS-Excel, Perform calculation on data, Manage worksheet, Analyze alternative data sets, Create and Manage slides, Insert and Manage Simple Graphics, Add sound and movements of slides.

Introduction of Internet and email: How to create e-mail, E-mail- sending a message, E-mail-attaching a document, How to use internet in research work.

PRACTICE:

Working with MS-Word: Prepare a word document of Ph. D. Synopsis, Prepare word document of Research Paper, Prepare word document of References.

Working with MS-Excel and Power Point: Prepare Tables and Charts (Pi-chart, Bar-chart), Insert pictures in a worksheet, Prepare Power Point presentation of the Ph.D. Synopsis, Prepare power point presentation having animation graphics and sound.

Internet and e-mail: Creating e-mail in different ways and websites,How to search research papers in Google Scholar and any Journal, How to search information related to research.

Suggested Readings:

1. Introduction to Information Technology, ITL Education Solutions, Pearson Education.
2. Introduction to Computer Science, ITL Education Solutions, Pearson Education.
3. Computer Fundamentals by P.K.Sinha & Priti Sinha, BPB Publications.

Seminar

Course Code: SKT 604   **Credits: 01**

P.S.O. 1 -   By this course the students will be able to present a research paper according to the norms laid down in research methodology.

C.O. 1 - The students will be acquainted with practical aspect of research**.**

The seminar paper will be related to the Research Theme- Specific Course of the candidate and the candidate should have to give a seminar presentation of it.

Discipline Specific Courses

Veda and Vedic Literature

Course Code: SKT 605   **Credits: 03**

Programmers Specific outcome 1 - This course aims at teaching the students about veda and vedic literature in order that they may be able to conduct research on these subjects.

C.O. **1 -**   The students will know the techniques of conducting research on vedic literature.

Course contents:-Introduction of vedic Samhitas, Brahmanas, Aranyakas and upanishads, vedic culture, Eduction, etc.

Suggested Readings:

1- Upadhyaya Baldeo, Vedic Sahitya evam Sanskriti, vishwavidhyalaya Prakashan, Varanasi 1955
2- Dwivedi Kapildeo, Vedic Sahitays evam Sanskriti, vishwavidhyalaya Prakashan, Varanasi, 2000

<div align="center">**Purana Vanmaya**</div>

Course Code: SKT 606   **Credits: 03**

P.S.O. 1 -   Puranas represent ancient Sanskrit literature. Their contents are of multi disciplinary. By this course the students will be able to know different types of thoughts spread in puranas **.**

C.O. 1 -   After being acquainted with the contents of the Puranas, the students will be able to carry on research in this field.

Course contents:- Lakshana of puranas, Panch Lakshana, contents of puranas Mythology in puranas, srishti in puranas philosophy in puranas, culture in puranas. Relevance of puranas.

Suggested Readings:

1- Upadhyaya Baldeo, purana vimarsha, vishwavidhyalaya Prakashan, Varanasi 1951
2- Dubey Hari Narayan, Purana Samiksha I.I.D.R. Allahabad, 1984

Bhasha Vijnana

Course Code: SKT 607   **Credits: 03**

P.S.O. 1 -   This courser aims at teaching the students about bhasha, its classification, components etc. in order that they may be able to carry on research on comparative philology**.**

C.O. 1 -   The students will be able to know minute mechanism of language and use this in their research work.

Course contents:- Origin of language, classification, components, definition, difference amongst Bhasha, vibhasha and boli. Bhashik changes and their causes, general introduction of Pali, Prakrit and Apabransha.

Suggested Readings:

1- Dr. Tiwari Bholanath, Bhasha Vijnana, kitab Mahal Allahabad,1967.
2- Dr. Dwivedi Kapildeo, Samanya Bhasha Vijnana Vishwavidyalaya prakashan, Varanasi, 1971.

Bharatiya Darshan

Course Code:SKT 608   **Credits: 03**

P.S.O. 1 -   This courser aims at teaching the students the introdution of different schools of Indian philosophy in order that they may be able to conduct comparative research.

C.O. 1 -   By the study of this course the students will conduct research on different branches of Indian Philosophy.
Course contents:- Introduction and classification of Indian philosophy, pramana, prameya and ethical value of Indian philosophy. Contribution of Indian philosophy in raising spirituality.
.

Suggested Readings:

1- Datta and Chatterjee, An Introdution to Indian Philosophy, Allahabad,1960.
2- Pandey Sangam Lal, Bharatiya Darshan ki Kahani Ramnarayanlal Beni Prasad, Allahabad, 1963

Kavyashastra

Course Code: SKT 609   **Credits: 03**

P.S.O. 1 -   This courser aims at teaching the students about different topics of kavyashastra to enable them for critical evaluation of poetic works.

C.O. 1 -   By the study of this course the students will be able to evaluate the poetic works.

 Course contents:- Definition and nature of kavya and kavyashastra, Kavya Lakshana, prayojana, Hetu and bheda abhihitanvayavada, Anvitabhidhanavada and Rasa siddhanta.
.

Suggested Readings:

1- Mammata, Kavyaprakash, vishwavidalaya Prakashan varanasi 1977.

Vyakarana

Course Code: SKT 610   **Credits: 2+1=3**

P.S.O. 1 -   This course aims at teaching the students about different topics of vyakarana to enable them to form correct sentences.

C.O. 1 -   After study of this course the students will be able to form correct sentences and their language efficiency will be sound.

Course contents:- General introduction and knowledge of sandhi, Samasa, Karaka, Kridanta, Taddhita, Streepratyaya and vachya.
.

Suggested Readings:

1- Varadarajacharya, Lagusiddhanta Kaumudi, Chankhamba Vidyabhavana, Varanasi 1977

Research Theme-Specific Courses

Course Code: SKT 611   **Credits: 03**

Research on Vaidika Vanmaya

P.S.O. 1 -   This courser aims at teaching the students about the research methodology for vedic researches.

C.O. 1 -   By the study of this course the students will be able to conduct critical and comparative researches on different parts of Vedic literature

Course contents:- Methods of research on vaidika Samhita, Brahmanas Aranyakas and Upanishads including kalpsutras and relevance of Vedic literature.
.

Suggested Readings:

1- Four Vaidika samhitas, vaidik samshodhan mandal Poona 1901
2- Brahnaanas
3- Aranyakas
4- Upanishads, Geeta Press. Gorakhpur.
5- Kalpasutras, Choukhmbha Vidhyabhavan, Varansi 1967.

Research on Vyakarana and Bhashavijnana

Course Code: SKT 612   **Credits: 03**

P.S.O. 1 -   This courses aims at teaching the students about conducting researches on both Prakriya and Darshan of Vyakarana and comparative research on linguistics.

C.O. 1 -   By this course the students will be able to carry on researches on different parts of grammar and Linguistics.

Course contents:- Research Methodology for research on Vyakarana prakriya and Vyakarana Darshan. Linguistic study of different books. Grammatical study of different books.

Suggested Readings:

1- Bhattoji dikshita, Siddhanta Kaumudi, Choukhambha Varanasi 1977
2- Patanjali, Mahabhashya , Choukhambha Varanasi 1980
3- Nagesh bhatta, laghushabdendushekhar, paramalaghu manjasha, paribhashendushekar etc.
4- Pashpa dikshita, Ashtadhyayayisahajabodh(Five volumes), Pratibha Prakashan, New Delhi 2016.

Research on Sanskrit Literature

Course Code:SKT 613   **Credits: 03**

P.S.O. 1 -   This course aims at teaching the students about conducting researches on different components of Sanskrit literature in order that they may be able to conduct critical and comparative researches on literature.

C.O. 1 -   By this course the students will be able to conduct researches on different aspescts of literature.
Course contents:- Research Methodology for literary researches on Gadya, Padya, Champoo, Natya etc. including Modern Sanskrit literature.
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Suggested Readings:

 All literary works in Sanskrit as required.

Research on Indian Philosophy

Course Code: SKT 614   **Credits: 03**

P.S.O. 1 - This courses aims at teaching the students about different schools of Indian philosophy in order that they may be able to conduct critical and comparative researches on Indian philosophy.

C.O. 1 - By this course the students will be able to pick up their own area of research.

Course contents:- Research Methodology for conducting researches on different schools of Indian philosophy both atheist and theist, their inter relations, their views on pramana, prameya etc.

Suggested Readings:

All original text books on charvak, Jain, Bouddha, Sankhya-yoga, Nyay-Vaisheshik, Mimamsa-Vedant, shaiva-shakta Agamas as required.

Comparative Research in Sanskrit and English Literature

Course Code: SKT 615   **Credits: 03**

P.S.O. 1 - This course aims at promoting inter-disciplinary research containing various streams of Sanskrit and English literature.

C.O. 1 - By this course the students will be able to explore accessibilities of both literatures.

Course contents:- Comparative study on Prose, Poetry, Drama, novel, Fiction, current trends of writing and Poetic Criticism etc. of both literatures.

Suggested Readings:

Concerned books of Sanskrit and English literature. .

Comparative research in Sanskrit and Hindi Literature

Course Code: SKT 616   **Credits: 03**

P.S.O. 1 - This course aims at promoting inter-disciplinary research containing various streams of Sanskrit and Hindi literature.

C.O. 1 - By this course the students will be able to explore accessibilities of both literatures.

Course contents:- Comparative study on Prose, Poetry, Drama, Novel, Fiction, current trends of writing and Poetic Criticism etc. of both literatures.

Suggested Readings:

Concerned books of Sanskrit and Hindi literature.

Comparative research in Sanskrit and Urdu Literature

Course Code: SKT 617   **Credits: 03**

P.S.O. 1 - This course aims at promoting inter-disciplinary research containing various streams of Sanskrit and Urdu literature.

C.O. 1 - By this course the students will be able to explore accessibilities of both literatures.

Course contents:- Comparative study on Prose, Poetry, Drama, Novel, Fiction, current trends of writing and Poetic Criticism etc. of both literatures.

Suggested Readings:

Concerned books of Sanskrit and Urdu literature.