Courses of the Coursework for Ph. D. in the subject of Ancient Indian History, Culture & Archaeology

1. The eligible candidate shall be required to undertake coursework for a minimum period of one semester i.e. 90 lectures.
2. The 1st course i.e. **Research Methodology** will consist of 40 lectures.
3. The 2nd course i.e. **Basics of Computer Application** will consist of 10 lectures.
4. The 3rd course i.e. **Review of Literature** in the relevant subject
5. Each course will be of 100 marks.
6. RPE – 30 lectures.

Course I

Research Methodology (Theoretical)

Max. Marks 100

UNIT – I   Fundamentals of Research, its importance and scope.

UNIT – II   Selection of Research Problem and planning of research.

UNIT – III   Data collection. Library work, manuscripts, private and public collection, field surveys, Explorations, Photography Laboratory work, Application of computer and Statistical methods.

UNIT – IV   Identification and formulation of problems and hypothesis.
Methods of Research in Indian History, Bibliography, Footnotes/Citation, Diacritical marks, summarizing, paraphrasing, quotation.

UNIT – V   Importance of Library in research work, Significance of Maps, Photographs and illustrations in thesis.

Course II

Basics of Computer Application (Theoretical & Practical)

Max. Marks 100

UNIT – I   **Introduction to Computers**

Basic Terminology of Computers, Computer Generations, Classification of Computers, Input And Output Devices, Central Processing Unit, Computer Memory : Primary And Secondary Storage Devices, Computer Software : (I) System Software (Ii) Application Software (Iii) General Purpose Software, Operating System(OS) :(I) Functions of OS (Ii) Advance Concepts Related To OS – Multiprogramming, Multiprocessing, Multitasking, Spooling, Timesharing, Virtual Memory.

UNIT – II   **Preparation of a Document using MS-Word**

Introduction To MS Word- Toolbar, Title Bar, The Ribbon, Creating A New Document, Entering Text, Saving And Printing It, Using Paragraph Tab Options, Using Insert Tab- In Creating Tables, Inserting Picture, Clip Art, Shapes And Chart To A Document, Header And Footer, Page Formatting- Margins, Orientation, Text Wrapping , Creating A Reference List And Citations, Use of Spelling And Grammar Checks, Auto Correct, Word Count, Comparing or Combining Document, Editing And Reviewing Document, Macros, Mail Merge.

UNIT – III   **Use of MS Excel and MS Power point**

Introduction To MS Excel – Spreadsheet or Worksheet Details, Use of Spreadsheet In Research, Data Storing, Various Data Types, Use of Formulae And Functions, Formatting Worksheets - Inserting And Deleting Rows And Columns, Alignment, Creating And Modifying Charts And Graphs, Creating Pivot Table And Pivot Charts, Manipulation And Analysis of Data.

Introduction To MS- Power Point, Features And Functions, Creating And Saving Presentation, Adding Slides To A Presentation, Inserting Animation, Creating Tables And Charts, Customizing Presentation, Running A Slideshow.

UNIT – IV   **Introduction to Internet**

Internet And Its Application, World Wide Web (www), TCP/IP, WWW Browsers (Internet Explorer, Google Chrome), Internet Search Engines (Yahoo, Google), Computer Networks- LAN, MAN, WAN, Other Technologies- Mobile Commerce, Bluetooth, Wireless Fidelity (Wi-Fi), Anti-Plagiarism Software, Viruses And Its Types, Protection From Viruses, Firewall, Use of online Sources of Data For Literature Survey.

UNIT – V   **Use of Computers in Research in History**

Course III

Review of Literature

Max. Marks 100

Note: The candidate shall review standard relevant texts and research papers in the broad research area.

D. Nandani
3/6/22

Course IV

Research and Publication Ethics (RPE)

THEORY

- ## RPE 01 : PHILOSOPHY AND ETHICS
  1. Introduction to philosophy: definition, nature and scope, concept, branches.
  2. Ethics: definition, moral philosophy, nature of moral judgments and reactions.

- ## RPE 02: SCIENTIFIC CONDUCT
  1. Ethics with respect to science and research
  2. Intellectual honesty and research integrity
  3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
  4. Redundant publications: duplicate and overlapping publications, salami slicing
  5. Selective reporting and misrepresentation of data

- ## RPE 03: PUBLICATION ETHICS

  1. Publication ethics: definition, introduction and importance
  2. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.
  3. Conflicts of interest
  4. Publication misconduct: definition, concept, problems, that lead to unethical behaviorand vice versa, types
  5. Violation of publication ethics, authorship and contributorship
  6. Identification of publication misconduct, complaints and appeals
  7. Predatory publishers and journals

PRACTICE

- ## RPE 04: OPEN ACCESS PUBLISHING
  1. Open access publications and initiatives
  2. SHERPA/RoMEO online research to check publisher copyright & self-archivingPolicies.
  3. Software tool to identify predatory publications developed by SPPU
  4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, SpringerJournal Suggester, etc..

3

- ## RPE 05: PUBLICATION MISCONDUCT
  A. Group Discussions
    1. Subject specific ethical issues, FFP, authorship
    2. Conflicts of interest
    3. Complaints and appeals: example and fraud from India and abroad
  B. Software tools
     Use of plagiarism software like Turnitin, Urkund and other open
     source softwaretools

- ## RPE 06: DATABASES AND RESEARCH METRICS
  A. Databases
    1. Indexing databases
    2. Citation databases: Web of Science, Scopus, etc.
  B. Research Metrics
    1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR,
       IPP, CiteScore
    2. Metrics: h- index, g index, I 10 index, altmetrics

Reference:

1- Bird, A .(2006). philosophy of Science Routledge.
2- MacIntyre, Alasdair 91967) A Short History of Ethics. Lanndon.
3- P.Chaddha, (2018) Ethics in Competitive Research: Do not get scooped: do not get Plagoarized, ISBN : 978-9387480865
4- Resnik, D.A. (2011). What is ethics in research & why is it importance. National Institute of Environmental.

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