

SYLLABUS FOR PRE PH.D. COURSEWORK
DEPARTMENT OF LAW
RAJA MAHENDRA PRATAP SINGH UNIVERSITY, ALIGARH
(w.e.f. Session 2026-2027)

1. RESEARCH METHODOLOGY:

- 1.1 Meaning, Objective, Nature and Scope of Legal Research.
- 1.2 Legal Research Methodology, Major Stages.
- 1.3 Doctrinal and Non-Doctrinal Research.
- 1.4 Research Design, Formulation, Problem/Hypothesis of Doctrinal & Empirical.
- 1.5 Tools and techniques of Data collection.
- 1.6 Research Material.
- 1.7 Use of Questionnaire, Interview and use of Case Study.
- 1.8 Sampling Procedure.
- 1.9 Analysis and Interpretation of Data.
- 1.10 Writing a research Report: Structural Layout of Research Report, Stages of preparation, Referencing Basic Rules and forms of referencing (Foot Notes, Endnotes and In -Text Referencing), Bibliography, Index and Appendix.

2. COMPUTER AND ITS APPLICATION:

- 2.1 HISTORY AND DEVELOPMENT OF COMPUTERS: History and development of computers, General awareness of computer hardware – CPU and other peripheral devices, input/output and auxiliary storage devices, Computer languages and operating systems.
- 2.2 COMPUTERS AND THE INTERNET: Application Software, Networking, different LAN and WAN connections, Network Interface card, Internet Service Providers, Internet Security, Web Search Engine, Net surfing using advanced search techniques.
- 2.3 DATA ANALYSIS AND DOCUMENTATION: MS- Word, MS-Excel and MS- Excel for data analysis and Power Point. Preliminary introduction to software for data analysis. Creating a database and simple Querying, Adobe Photoshop (Introductory), Multimedia, Digital Arts. LATEX.
- 2.4 OPERATING SYSTEM and e-RESOURCES: Different Operating Systems, File System, Creation, Saving and printing of files. Introduction to E-mails, Memos, Proposals, and Reports. E-journals, E-books. Digital Library.
- 2.5 COMPUTER LANGUAGES AND ALERTNESS: Presentation tools. Computer Crime, Hacking, Viruses, Internal and External threats to computer, Cyber law, Software for plagiarism.
- 2.6 Relation between Intellectual Property Rights and Legal Research.

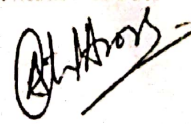
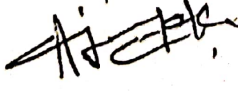
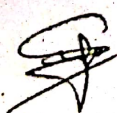
3. RESEARCH AND PUBLICATION ETHICS:

3.1 LAW AND ETHICS:

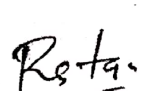
- 3.1.1 Morals, Ethical commitment & Responsibility to legal Research, Society, Employer & College/University.
- 3.1.2 Public interest in Research, Conflict and Variance of interest.
- 3.1.3 Research Ethics issues & challenges.
- 3.1.4 Ethics in Legal Research & recent trends.

3.2 ETHICS WITH RESPECT TO SCIENCE AND RESEARCH:

- 3.2.1 Intellectual Honesty and Research Integrity.
- 3.2.2 Scientific misconduct.
- 3.2.3 Redundant Publication, Selective Reporting, and Misrepresentation of Data.



- 3.2.4 Publication ethics, best practices & guidelines: COPE, WAME, etc.
 - 3.2.5 Conflict of interest in publication, ethics & misconducts.
 - 3.2.6 Predatory publication and journals.
 - 3.3 OPEN ACCESS PUBLISHING:
 - 3.3.1 Open Access Publications and initiatives.
 - 3.3.2 SHERPA/ROMEO online resource to check publisher copyright & self-archiving policies.
 - 3.3.3 Software tools to identify Predatory publication developed by SPPU.
 - 3.3.4 Journal finder/ Journal suggestion tools.
 - 4. PUBLICATION MISCONDUCT:
 - 4.1 Subject-specific ethical issues.
 - 4.2 Conflict of interest Under Intellectual Property Rights (IPRs).
 - 4.3 Complaints and Appeal Under Intellectual Property Rights.
 - 4.4 Use of plagiarism software like Turnitin, Urkund and other open-source resources.
 - 4.5 Indexing databases.
 - 4.6 Citation databases: Web of Science, Scopus, etc.
 - 4.7 Impact factor of journal as per Journal Citation Report, SNIP, SJR, IPP, CAite Score
 - 4.8 Metrics: h-index, g-index, i10-index, Altmetrics (Alternative Metrics).
 - 5. REVIEW OF RESEARCH PAPER:
 - 5.1 Research scholars have to do a literature review of relevant books and research articles from his/her area of research and present and submit a well-organised research paper on the literature review before DRC.
- # The Review of Literature shall be submitted in hard copy to his/her mentor/supervisor/research dean.

 Retg.  H. H. H. 