

Syllabus for Ph.D. Course Work in Education

Section -B

Research & Publication Ethics (40 marks)

Research and Publication Ethics (RPE) -I

RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)

- Introduction to philosophy: definition, nature and scope, concept, branches
- Ethics: definition, moral philosophy, nature of moral judgments and reactions

RPE 02: SCIENTIFIC CONDUCT (5hrs.)

- Ethics with respect to science and research
- Intellectual honesty and research integrity
- Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
- Redundant publications: duplicate and overlapping publications, salami slicing
- Selective reporting and misrepresentation of data

RPE 03: PUBLICATION ETHICS (7 hrs.)

- Publication ethics: definition, introduction and importance
- Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
- Conflicts 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, complaints and appeals
- Predatory publishers and journals

Practice: Research and Publication Ethics (RPE) -II

• **RPE 04: OPEN ACCESS PUBLISHING (4 hrs.)**

- Open access publications and initiatives
- SHERPA/ROMEO online resource to check publisher copyright & self-archiving policies
- Software tool to identify predatory publications developed by SPPU
- Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc. Paper VI Research and Publication Ethics

• **RPE 05: PUBLICATION MISCONDUCT (4hrs.)**

- A Group Discussions (2 hrs.)
- Subject specific ethical issues, FFP, authorship
- Conflicts of interest
- Complaints and appeals: examples and fraud from India and abroad.
- B Software tools (2 hrs.)
 - Use of plagiarism software like Turnitin, Urkund and other open source software tools

• **RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)**

- A. Databases (4 hrs.)
- Indexing databases
- Citation databases: Web of Science, Scopus, etc.
- B. Research Metrics (3 hrs.)
- Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
- Metrics: h-index, g index, i10 index, altmetrics

