

**Scheme of Examination**  
**Ph.D course work in Psychology**  
 (As per Credit System w.e.f. the academic year 2020-21)  
**Program Specific Outcomes**

**Learning Objectives:**

- To impart conceptual and theoretical knowledge in advanced research methodology and current areas of research.
- To familiarize the students with advances in psychological assessment, mentoring and community interventions.
- Prepare students for designing, execution, analysing and reporting research in Psychology.

**Learning Outcomes:**

- Students would gain mastery in advance research methodology and usage of computerized statistical packages.
- Students would get experiential knowledge about library review and field work.
- Students would be acquainted with recent trends in psychology.
- Students would gain mastery in advanced psychological assessment.
- Students would be acquainted with psychological mentoring and community intervention procedures.
- Students would be able to design, conduct and report research in various fields of Psychology.

<b>SEMESTER 1</b>						
<b>Course Code</b>	<b>Nomenclature of Course</b>	<b>Theory marks (end semester examination)</b>	<b>Internal Assessment marks</b>	<b>Maximum marks</b>	<b>Hours /Week</b>	<b>Credits</b>
20PSYPH11C1	Advances in Research Methodology	80	20	100	4	4
20MPCC1	Research and Publication Ethics	40	10	50	2	2
20PSYPH11C3	Recent Trends in Psychology	80	20	100	4	4
20PSYPH11C4	<b>Practicum:</b> a)Computer Applications in Psychological Research  b).Project Report : Library Review Based			100	8	4
<b>Total marks/Credits</b>				<b>350</b>		<b>14</b>

**Note-I :** The topic of the Seminars will be assigned to every student by the class teacher concerned and it will be evaluated by a panel of examiners consisting of two (HOD + concerned teachers of the paper) members. The seminar of 20 marks would be equally distributed for term paper and the presentation (10 marks each)

**Note-II :** The topic of dissertation and supervisor shall be approved by Departmental Committee during the first semester.

## Ph.D. Course Work

<b>Name of the Program</b>	Ph.D. Course work	<b>Program Code</b>	PH
<b>Name of the Course</b>	Research and Publication Ethics	<b>Course Code</b>	20PMPCC1
<b>Hours/Week</b>	2	<b>Credits</b>	2
<b>Max. Marks.</b>	50	<b>Time</b>	3 Hours
<b>End Exam</b>	40 marks	<b>Internal Assessment</b>	10 marks
<p><b>Note:</b> The examiner has to set a total of eight questions comprising two questions from each unit. A candidate has to attempt one question from each unit. All questions carry equal marks.</p>			
<p><b>Course Objectives:</b></p> <ol style="list-style-type: none"> <li>1. To study the philosophy of ethics</li> <li>2. To study the scientific conduct of research</li> <li>3. To study the publication ethics</li> <li>4. To know about various journal citation databases</li> <li>5. To know the importance of quality publications</li> </ol>			
<p><b>Course Outcomes:</b></p> <p>By completion of course the student is able to</p> <ol style="list-style-type: none"> <li>1. Ethics in conduct of scientific research</li> <li>2. Know the scientific misconducts</li> <li>3. How to avoid plagiarism and what are the penalties of plagiarism?</li> <li>4. Know the quality of research publications</li> <li>5. Write research and review articles.</li> </ol>			
<b>Unit - I</b>			
<b>PHILOSOPHY AND ETHICS</b>			
<ol style="list-style-type: none"> <li>1. Introduction to philosophy: definition, nature and scope, concept, branches</li> <li>2. Ethics: definition, moral philosophy, nature of moral judgments and reactions</li> </ol>			
<b>SCIENTIFIC CONDUCT</b>			
<ol style="list-style-type: none"> <li>1. Ethics with respect to science and research</li> <li>2. Intellectual honesty and research integrity</li> <li>3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)</li> <li>4. Redundant publications: duplicate and overlapping publications, salami slicing</li> <li>5. Selective reporting and misrepresentation of data</li> </ol>			
<b>Unit - II</b>			
<b>PUBLICATION ETHICS</b>			
<ol style="list-style-type: none"> <li>1. Publication ethics: definition, introduction and importance</li> <li>2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.</li> <li>3. Conflicts of interest</li> <li>4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types</li> <li>5. Violation of publication ethics, authorship and contributorship</li> <li>6. Identification of publication misconduct, complaints and appeals</li> <li>7. Predatory publishers and journals</li> </ol>			

<b>Unit - III</b>
<p><b>DATABASES AND RESEARCH METRICS</b></p> <p>(A) Databases</p> <ol style="list-style-type: none"> <li>1. Indexing databases</li> <li>2. Citation databases: Web of Science, Scopus, etc.</li> </ol> <p>(B) Research Metrics</p> <ol style="list-style-type: none"> <li>1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, CiteScore</li> <li>2. Metrics: h-index, g index, i10 index, altmetrics</li> </ol>
<b>Unit - IV</b>
<p style="text-align: center;"><b>Practice</b></p> <p><b>OPEN ACCESS PUBLISHING</b></p> <ol style="list-style-type: none"> <li>1. Open access publications and initiatives</li> <li>2. SHERPA/RoMEO online resource to check publisher copyright &amp; self-archiving policies</li> <li>3. Software tool to identify predatory publications developed by SPPU</li> <li>4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.</li> </ol> <p><b>PUBLICATION MISCONDUCT</b></p> <p>(A) Group Discussions</p> <ol style="list-style-type: none"> <li>1. Subject specific ethical issues, FFP, authorship</li> <li>2. Conflicts of interest</li> <li>3. Complaints and appeals: examples and fraud from India and abroad</li> </ol> <p>(B) Software tools (2 hrs.): Use of plagiarism software like Turnitin, Urkund and other open source software tools</p>
<p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Bird, A. (2006). Philosophy of Science, Routledge</li> <li>2. P. Chaddah (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarised.</li> <li>3. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019).</li> <li>4. Beall, J (2012), Predatory publishers are corrupting open access. Nature, 489(7415), 179.</li> <li>5. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009). On being a Scientist: A guide to Responsible Conduct in Research, Third Edition, National Academic Press.</li> </ol>