GUIDELINES

Course Description:

This course provides essential knowledge on research ethics and plagiarism, focusing on maintaining integrity in academic work. It is designed to help students understand the importance of ethical behavior in research and how to avoid plagiarism.

Assessment:

Multiple-Choice Questions: Test fundamental concepts of research ethics and plagiarism (10 marks).
Short Answer Questions: Focus on application of ethical principles and plagiarism prevention (20 marks).
Brief Essay: Analyze a case study related to ethical dilemmas in research (20 marks).

This format is concise and tailored to fit a 1.5-hour exam for a 50-mark compulsory paper, ensuring that students can effectively prepare for the assessment.

Course	019902 – RESEARCH AND PUBLICATION ETHICS	**Semester-1**
Type of Course	PH.D COURSE WORK	
Prerequisite		
Course Objective	1. To introduce the basics of philosophy of science and ethics. 2. To inculcate research integrity. 3. To discuss publication ethics. 4. To educate on how to identify research misconduct and predatory publications. 5. To discuss Indexing and citation databases.	

Teaching Scheme(2-0-0)				**Examination Scheme**				
				Theory Marks		**Practical Marks**		
Lecture	**Tutorial**	**Lab/Practical**	**Credit**	**SEE**	**CIA**	**SEE**	**CIA**	**Total Marks**
2	0	-	2	50	-	-	-	50

***SEE**-Semester End Examination, **CIA**-Continuous Internal Assessment (It consists of Assignments/ Seminars/ Presentations/ MCQ Tests, etc.)*

Course Content

T-Teaching Hours| **W**- Weight age

Sr.	**Topics**	**T**	**W**
1	**Thesis/ Manuscript Writing** Types of Manuscript - Planning of Thesis Writing - Research Thesis Format(University guidelines) - Principles of Writing - Documentation - Data and Data Analysis in Thesis – Writing Synopsis, Writing of thesis - Typing of thesis - Briefing - Preparation of Manuscript for Publication of Research Paper - Pictures and Graphs, Citation styles, Writing a Review of Paper, Bibliography	**10**	**15**
2	**Reference styles** How to cite references, referencing styles - APA, MLA, Cambridge, Harvard, etc.	**10**	**15**
3	**Publication Ethics:** Plagiarism, exposure on anti-plagiarism tools. **Intellectual Property Rights (IPR):** What is IPR? Importance of patents, types of IPR, process of patent	**10**	**15**
	Total	**30**	**45**

Suggested Distribution Of Theory Marks Using Bloom's Taxonomy

Level	Remember	Understand	Apply	Analyze	Evaluate	Create
Weight age	40	50	10		-	-

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper mayvary slightly from above table.

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Course Outcomes

At the end of this course, students will be able to:	
CO1	Understanding of basics of philosophy of science and ethics
CO2	Knowledge of research integrity.
CO3	Understanding of publication ethics.
CO4	Knowledge of identifying research misconduct and predatory publications

Reference Books

1.	Bird, A. (2006). Philosophy of science. Routledge.
2.	MacIntyre, Alasdair. (1967). A Short History of Ethics. London.
3.	P. Chaddah. (2018). Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN:978-9387480865
4.	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 Academies Press.