

**Ph. D. GEOLOGY
(PHDGY)**

**Term-End Examination
December, 2024**

RGY-101 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **five** questions.

(ii) All questions carry equal marks.

1. Discuss in detail, characteristics and importance of research. 20
2. Describe various ways of literature collection. Add a note on the importance of literature review in formulating a research problem. 20
3. Explain various research methods used in designing and planning a research problem. 20

4. Describe the steps followed in preparing a scientific manuscript for publication. List any *ten* journals in the field of Geology. 20
5. Discuss statistical and computer application in research. 20
6. Explain in detail the importance of intellectual property rights in research. 20
7. Write short notes on any *two* of the following :
2×10=20
 - (a) Interdisciplinary research
 - (b) Sampling design
 - (c) Data presentation
 - (d) Process and stages of report writing
8. Write short notes on any *two* of the following :
2×10=20
 - (a) Peer review process
 - (b) Impact factor
 - (c) Citation index
 - (d) Plagiarism

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