

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

**Term-End Examination**

**December, 2022**

**RGY-101 : RESEARCH METHODOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Attempt any **five** questions. All questions carry equal marks.

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1. What do you understand by research ? Discuss types and characteristics of research. 20
2. Discuss various research methods involved in formulating a research problem. 20
3. Discuss various sources of literature collection. Add a note on the significance of literature review in doctoral research. 20
4. Discuss various steps involved in writing a Ph.D. thesis. 20
5. Discuss the peer review process involved in publication of a research article. List any ten peer reviewed journals in the field of geology. 20
6. Discuss in detail the statistical and computer applications in geological research. 20

7. Write short notes on any **two** of the following :  $2 \times 10 = 20$

- (a) Citation Index
- (b) Impact Factor
- (c) Interdisciplinary Research
- (d) Research Ethics

8. Write short notes on any **two** of the following :  $2 \times 10 = 20$

- (a) Importance of Field Work in Geological Research
  - (b) Plagiarism
  - (c) Patents
  - (d) Copyright
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