

Ph.D. GEOLOGY (PHDGY)

Term-End Examination

June, 2019

00691

RGY-101 : RESEARCH METHODOLOGY

Time : 3 hours

Maximum Marks : 100

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

1. What does 'research' mean ? Give a detailed account of the types and characteristics of scientific research. 20
2. Write an essay on scientific research design and plan. 20
3. Explain the significance of search and review of published literature in formulating a scientific research proposal. 20
4. Describe the applications of statistics and computers in geological research. 20
5. Give a detailed account of the socio-legal issues in science research. 20

6. Explain in detail various processes and steps involved in thesis writing. 20
7. Write short notes on any **two** of the following : 2×10=20
- (a) Peer-review Process
 - (b) Science Citation Index (SCI)
 - (c) Impact Factor
 - (d) Interdisciplinary Research
8. Write short notes on any **two** of the following : 2×10=20
- (a) Sampling Design
 - (b) Data Collection
 - (c) Qualitative and Quantitative Assessment of Data
 - (d) Venues for the Presentation of Research Outcomes
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