

Ph.D Course Work Examination, July-2023

APPLIED GEOLOGY

Course-I: Research Methodology

Time: 3 Hours

Max. Marks: 70

- I) Answer ALL of the following (10X2=20)**
- a) Research
 - b) Distinguish between Technologist & Scientist
 - c) Objectives of research
 - d) Research process
 - e) Research design
 - f) Precision
 - g) Research hypothesis
 - h) Synopsis
 - i) Range and Median
 - j) Plagiarism
- II) Answer any FOUR of the following (4X5=20)**
- 1. Explain the research process with a flowchart
 - 2. How do you define a research problem?
 - 3. Write a short note on peer reviewed journals
 - 4. What are dependent and Independent Variables?
 - 5. Describe criteria of good research
 - 6. What are the basic types of research? Explain applied and Fundamental research
- III) Answer any THREE of the following (3X10=30)**
- 7. What are the problems encountered by a researchers in India
 - 8. Describe research methods and research methodology
 - 9. Describe in brief the layout of research report
 - 10. Explain the research design in case of theoretical research studies
