

Ph.D Course Work Examinations, July-2023

**MINERAL PROCESSING
Course-I: Research Methodology**

Time: 3 Hours

Max. Marks: 70

Instruction: Answer all Section

SECTION-A

I. Answer all the followings. (2X10=20)

- a) Post facto research
- b) What do you mean by qualitative approach
- c) What is quota sampling?
- d) Limitations of test hypothesis
- e) What is research problem
- f) Define systematic bias.
- g) List the steps involved in sample design.
- h) Define Research Methods.
- i) What do you mean by Applied research.
- j) What are the components of research problem

SECTION-B

II. Answer any four of the following. (5X4=20)

- 1 Types of sample designs
- 2 Collections of data
- 3 Limitations of test hypothesis.
- 4 Explain test of validity.
- 5 write a note on selection of research problem

SECTION-C

III. Answer any three of the following (10X3=30)

6. Criteria of selecting a sampling procedure.
7. Distinguish between research and methodology
8. Discuss the important concepts of research design.
9. With a proper flowchart explain research process.
