

**Mid-West University**  
**Examinations Management Office**  
**End Semester Examinations 2081**

Bachelor level/ B.Sc / 5<sup>th</sup> Semester

Time: 3 hours

**Subject: Fundamentals of Research (RES457)**

Full Marks: 60

Pass Marks: 30

*Candidates are required to give their answer in their own words as far as Practicable. The figures in the margin indicate full marks.*

**Group-A**

**Questions in brief (Attempt all questions)**

[4×6= 24]

1. List out different types of research and Explain two of them. [2+4]
2. Enlist various data collection methods? Differentiate between questionnaire and interview methods for data collections. [2+4]
3. Give importance of writing proposal. Introduce the various components of a proposal. [2+4]
4. Define critical thinking. mention its importance? Differentiate between deductive and inductive reasoning with two suitable examples of each. [2+4]

**OR**

What do you mean by research design? Elaborate various types of research designed used in scientific research. [2+4]

**Group- B**

**Descriptive answer questions (Attempt all questions)**

[6×4 =24]

5. Mention the criterion of good research problem. [4]
6. Define hypothesis. Also discuss the significant of research hypothesis. [1+3]
7. Discuss on common sampling methods with relevant example. [4]
8. What is seminar? How class seminar is conducted? [1+3]
9. Give the concept of how literature review benefits in research. [4]
10. Explain the concept of using referencing and citation. [4]

**OR**

Describe the complete process of scientific research. [4]

**Group-C**

**Questions in brief (Attempt all questions)**

[6×2 = 12]

11. Differentiate broad and specific objectives with one example?
12. List the sources of measurement errors.
13. What are qualitative data means?
14. What is ethics in research? Give examples.
15. What are common methods of scientific communication?
16. Mention the functions of research proposal?

**The End**