

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore – 641 043**

Master's Degree Examination – November 2017

III Semester

**Class : II PG
Major : Counselling Psychology**

**Time: 3 hours
Max. Marks: 60**

12MPC15 Experimental Design in Research

Part A

10 x 1/2 = 5

Choose the correct answer

1. Scientific method is committed to _____
a) Objectivity b) Ethics c) Proposition d) Neutrality
2. The method by which a sample is chosen
a) Unit b) design c) Random d) Census
3. Research related to abstract ideas or concepts are
a) Empirical research b) Conceptual Research
c) Quantitative research d) Qualitative research
4. Which of the following is an example of primary data?
a) Book b) Journal c) News Paper d) Census Report
5. A Hypothesis that is developed while planning the research is
a) Null Hypothesis b) Working Hypothesis
c) Relational Hypothesis d) Descriptive Hypothesis
6. A Research Report is a formal statement of
a) Research Process b) Research Problem
c) Data collection d) Data Editing
7. Source of Data collected and compiled by others is called
a) Primary b) Secondary
c) Primary and Secondary d) None of the above
8. A method of collecting primary data in which a number of individuals with a common interest interact is called
a) Telephone Interview b) Clinical Interview
c) Focused Interview d) Group Interview
9. Sample value is called as _____
a) Parameter b) Core Value c) Statistic d) Variable
10. Selecting sample units in just a "hit and miss" fashion is called
a) Convenience or Accidental sampling b) Purposive sampling
c) Stratified sampling d) Proportionate sampling

Part B

5 x 4 = 20

Answer ALL questions

Each answer should not exceed 200 words or one page

11. a. Define research and list out the objectives.
(or)
11. b. What is the importance of research?
12. a. Write about any two research designs in detail.
(or)
12. b. Write about the difference between sampling and non sampling error
13. a. Write about the case study method.
(or)
13. b. Briefly explain primary and secondary data
14. a. Write about correlation analysis
(or)
14. b. Write about linear regression with an example
15. a. Write about the standard format for writing a report
(or)
15. b. What are the major guidelines for reviewing a draft?

Part C

5 x 7 = 35

Answer ALL questions

Each answer should not exceed 600 words or three pages

16. a. Write in detail on the process of research.
(or)
16. b. What constitutes a good research? Explain.
17. a. Explain the types of experimental research design
(or)
17. b. Mention about random sampling and list out its advantages and disadvantages.
18. a. What are the different methods of collecting data?
(or)
18. b. Explain the different scaling techniques in research
19. a. How to do factor analysis? Explain the steps
(or)
19. b. Write in detail on multivariate analysis of data
20. a. Narrate the different types or research reports
(or)
20. b. State the importance of oral presentation of research findings.
How can it be done?
