

C 84217



(Pages : 2)

Name.....

Reg. No.....

Ph.D. PRELIMINARY QUALIFYING EXAMINATION, JULY 2020

Education

Paper I—RESEARCH METHODOLOGY

Time : Three Hours

Maximum : 70 Marks

Section A

Answer any two questions.

Each question carries 15 marks.

1. What do you mean by the concept of sampling? Write in detail about the different types of sampling using suitable examples?
2. Describe the different approaches in Qualitative research. Explain with special reference to Ethnography, Grounded Theory, Phenomenology and Case Study?
3. Write a note on Experimental Designs and describe any three experimental designs in detail?
4. What do you understand by the term 'ANOVA', Write down the entire procedure of Analysis of Variance?

(2 × 15 = 30 marks)

Section B

Answer any eight questions.

Each question carries 5 marks.

5. Enumerate the characteristics of research as a scientific and disciplined inquiry?
6. Explain the process of standardization of research tools, with special reference to reliability and validity?
7. Write note on non-parametric techniques in hypothesis testing?
8. What do you understand by the term ex post facto research?
9. Using Chi-square test, check whether there is any association between the locality and nature work for the following data :

Locality	Nature of Work	
	Skilled	Unskilled
Rural	60	40
Urban	80	20

Turn over

10. Write a short note on :

- a) Standard Error.
- b) Confidence limits.

11. What do you understand by the term plagiarism in research ? How can we overcome this ? What measures you suggest to keep the research away from plagiarism ?

12. What is research report ? Describe the components and structure of research report.

13. Bring out the ethical considerations we have to keep in mind while doing research.

14. Write a note on 'Analysis of Covariance'.

15. Distinguish between Type I error and Type II error.

16. When and where sign test is used in research. What do you say about the reliability of this test ?

(8 × 5 = 40 marks)