

D 53052

(Pages : 2)

Name.....

Reg. No.....

Ph.D. (COURSEWORK) EXAMINATION, DECEMBER 2018

Economics

Paper I—RESEARCH METHODOLOGY

Time : Three Hours

Maximum : 70 Marks

Part A (Very Short Answer Questions)

Answer all questions.

Each question carries 2 marks.

1. Explain Diagnostic research.
2. Write a note on MLA and APA format.
3. Explain Hypothesis.
4. Distinguish between cross section data and Panel data.
5. Discuss cluster sampling and systematic sampling.
6. Explain Multiple Correlation.
7. Write a note on standard error.
8. Explain point estimation.
9. Discuss Kruskal Wallis Test.
10. Explain Skewness.

(10 × 2 = 20 marks)

Part B (Short Essay Questions)

Answer any four questions.

Each question carries 5 marks.

11. Briefly discuss the various types of research.
12. Write a note on various types of data.
13. Briefly explain the various types of samples.
14. Explain Student-*t* and F distributions.
15. Briefly discuss the desirable properties of estimators.
16. Explain the various steps in the formulation of a research problem.

(4 × 5 = 20 marks)

Turn over

Part C (Long Essay Questions)*Answer any two questions.**Each question carries 15 marks.*

17. What is a research report? What are the features of good research report? Explain the different types of research report.
18. Explain Analysis of Variance? What are its assumptions? Briefly discuss its important uses.
19. Write a note on Normal Distribution and Binomial Distribution? Discuss the properties of the normal distribution.
20. (a) Write a note on Chi-Square test.
- (b) In an anti malarial campaign in a certain area, quinine was administered to 812 persons out of a total population of 3248. The number of fever cases is shown below :

Treatment	Fever	No Fever	Total
Quinine	20	792	812
No Quinine	220	2216	2436
Total	240	3008	3248

Discuss the usefulness of quinine in Checking Malaria?

(2 × 15 = 30 marks)