

10. (a) Discuss evaluate latter adolescent psychology on the basic of social and moral Development.

Or

- (b) Importance of social science research in improving the social and moral development, Discuss.

Reg. No. :

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M.Phil. DEGREE EXAMINATION, NOVEMBER 2022.

First Semester

Economics

RESEARCH AND TEACHING METHODOLOGY

(For those who joined in July 2018 – 2019 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b)

1. (a) Distinguish between research methods and research methodology.

Or

- (b) List out the main problems encountered by researchers in India.

2. (a) Describe shortly the techniques of defining research problem.

Or

- (b) What are the different methods of studying correlation?



3. (a) From the following data, write down the two-regression equation and estimation the most likely value of y when X=30

X: 25 28 31 32 34 35 36 38 29

Y: 43 46 36 41 39 33 49 32 30

Or

- (b) Define the concept of multi collinearity and suggest solution for solving it.
4. (a) Explain four kinds of variation in time series analysis.

Or

- (b) Explain the concept of Gini Co-efficient. Examine its applications.
5. (a) What is purpose of footnote in report writing.
- Or
- (b) Explain the methodology of teaching in modern times.

PART B — (5 × 10 = 50 marks)

Answer ALL questions, choosing either (a) or (b).

6. (a) 'Research is much concerned with proper fact finding, analysis and evaluation.' Do you agree with the statement? Give reasons in support of your answers.

Or

- (b) Discuss the term data, analysis of data in research and its methods and its various Sources.

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7. (a) Describe the concept of dummy variables. How it can be used in social science research.

Or

- (b) Point out the important relations and differences between correlation and regression.
8. (a) Discuss ARIMA model with respect to usage, scope?

Or

- (b) Elaborate time series analysis in research. How a time series data is used for forecasting.
9. (a) Discuss the technique and importance of oral presentation of research findings. Is only oral presentation sufficient? If not. why?

Or

- (b) Out of the sample of 120 persons in a village 76 were administered a new drug for preventing influenza and out of them 24 persons were attacked by influenza. Out of those who were not administered the new drug, 12 persons were not affected by influenza. (i) prepare a 2×2 tables, showing the actual and excepted frequencies. (ii) Use Chi-square test for finding out whether the new drug, is effective or not.

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