

M.Phil. Degree Examination, November 2021

Paper – I: Advanced Research Methodology and Educational Statistics

Time: 3 Hours

Maximum Marks: 100

QP Code: MP1001

Subject Code: MPRC

Answer any FIVE Questions

(5 x 20 = 100)

Question No.7 is Compulsory

1. A) Explain the humanistic research methods.
(or)
B) Describe the types of hypothesis with examples.
2. A) Explain the measures of central tendency and their uses with illustrations.
(or)
B) Describe the steps involved in qualitative analysis of data with illustrations.
3. A) Calculate and interpret the correlation coefficient of the two variables given below:
Hours studied: 17 15 19 17 21 16 11 13 16 19
Scores : 150 154 169 172 175 169 130 148 170 180
(or)
B) Discuss on the ethics of educational research.
4. A) Write in detail about various sampling techniques.
(or)
B) Explain physical and social reality in the context of research.
5. A) Summarize the emerging paradigms of educational research.
(or)
B) What is R? Calculate the regression coefficient and obtain the lines of regression for the following data.
X : 1 2 3 4 5 6 7
Y : 9 8 10 12 11 13 14
6. A) Research as a process of acquisition of knowledge – Justify.
(or)
B) Explain multivariate analysis and its uses.
7. Write short notes on any FIVE of the following:
 - i) Internal validity
 - ii) GIS
 - iii) Feminist research
 - iv) Factor analysis
 - v) Theory building
 - vi) SPSS
 - vii) Meta analysis