PG CBCS
M.A. Semester-II Examination, 2023
EDUCATION
PAPER: EDN 202
(ANALYSIS OF DATA AND WRITING RESEARCH REPORT)
Full Marks: 40   **Time: 2 Hours**

GROUP-A

Answer any FOUR of the following questions: **4×5=20**

1. What is meant by the term 'data' as used in statistics? Describe quantitative and qualitative data with examples.
2. Discuss the salient features of a good research report.
3. Calculate the mean, median and mode for the following data:
   78,76,75,70,70,67,65,61,55,50, and 48.
4. Compute the Standard deviation from the following data:
   30,35,36,39,42,44,46,38,34,35.
5. What is tetrachoric correlation? When is it computed? Describe its computation process.
6. What are non-parametric tests? Discuss their merits and limitations.

GROUP-B

Answer any TWO of the following questions: **2×10=20**

7. What is analysis of covariance? Why and where is it to be used? Illustrate with example.
8. Compute the regression equations when all the desired statistics are given

History(X)	civics (Y)
Mean=25	mean=30
SD=1.7	SD=1.6

   Coefficient of correlation r_{xy}=0.95

   a. predicts the probable score in civics of a student whose score in history is 40.

   b. predicts the probable score in history of a student whose score in civics is 50.

9. What is meant by central tendency? Discuss the cconcepts of mean, median, and mode. State their uses in educational research.
10. What is meant by the term 'goodness of fit'? Discuss how chi square test can be applied to test the goodness of fit with a suitable example.

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