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PG CBCS

M.A. Semester-II Examination, 2022

EDUCATION

PAPER: EDN 202

(ANALYSIS OF DATA AND WRITING RESEARCH REPORT)

Full Marks: 40 **Time: 2 Hours**

GROUP-A

Answer any four questions of the following: **4×2=8**

1. What is meant by quantitative data?
2. What is the meaning of presentation of research data?
3. What is meant by *df* in goodness of fit test?
4. Mention two characteristics of correlation.
5. Define regression with a suitable example.
6. When do you apply inferential statistics?
7. Mention two characteristics of null hypothesis.
8. Mention two criteria of evaluating the title of a research report.

GROUP-B

Answer any four questions of the following: **4×4=16**

1. Mention the application of polygon in educational research.
2. Distinguish between qualitative and quantitative data.
3. Mention the application of central tendencies in educational research.
4. Write a short note on linear correlation.
5. Find out the average IQ for the ten students whose individual IQ scores are:
   80, 100, 105, 90, 112, 115, 110, 120, 60, 70
6. When and where do you apply the various measures of variability in educational research? 2+2
7. Distinguish between Parametric and non-parametric techniques for interpretation of results.
8. Discuss the application of chi square test.

GROUP-C

Answer any two questions of the following: **2×8=16**

1. Plot a smooth but Ogive from the following distribution.

Sl.No.	1	2	3	4	5	6	7	8	9	10
Class-intervals	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
Frequencies (*f*)	1	3	4	7	10	8	7	5	4	3

(P.T.O.)

2. The following data were collected from two separate groups of 144 men and 175 women, during an attitude test. Test the significance of the difference between the mean of two groups at the .05 level of significance from the following table:

Category	Mean	SD
Men	19.7	6.08
Women	21.0	4.89

3. What are the regression lines in a scatter diagram? How would you use them for the prediction of variables? 2+6
4. What do you mean by analysis of variance? Discuss the procedure for calculating the analysis of variance. 2+6

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