PG (NEW) CBCS
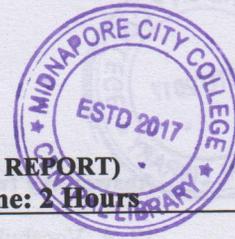## M.A. Semester-II Examination, 2019
EDUCATION
PAPER: EDN 202
(ANALYSIS OF DATA AND WRITING RESEARCH REPORT)

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

GROUP-A

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

1. What is the primary aim of applying statistical methods in educational research?

2. Mention different measures of central tendencies.

3. What is the difference between a frequency polygon and an ogive?

4. What is one-Tailed tests?

5. What is the purpose of computing partial correlation?

6. IFM=30, SD=9 and N=100, compute the standard error of mean.

7. What is multiple Correlation?
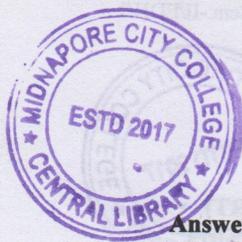
8. When is a median test used?

GROUP-B

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

9. Explain the difference between 'quantitative' and 'qualitative' evaluation with example.

10. What is graphical representation? Discuss its advantages.   1+3

11. What is a Histogram? Discuss uses histogram.   1+3

12. What do you mean by percentile point and percentile Ranks?   2+2

13. What is 'Regression'? What are the uses of 'Regression equation'? 1+3

14. What are non-parametric tests? How are they different from parametric tests?
   1+3

15. What is a chi-square test? Discuss its application as a test of signification.
   1+3

16. What is analysis of variance? Point out the underlying assumptions in its application.   1+3

GROUP-C

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

17. A Vocabulary test was administered to a random sample of 8 students of section A and 7 students of section B of class IX of a school. The scores are:

Scores of section A: 16, 14, 12, 12, 10, 8, 6, 4
Scores of section B: 14, 8, 7, 6, 4, 4, 12
Is the difference between the means of two groups significant at 0.05 level?

18. Compute the Mean, Median and Standard Deviation for the following Frequency Distribution:

Scores	60-64	55-59	50-54	45-49	40-44	35-39	30-34	25-29
F	2	8	13	16	14	9	6	2

19. In a learning experiment, three subjects made the following number of correct responses in a series of 7 trials.   8

Subject	Trials						
	1	2	3	4	5	6	7
A	5	9	3	7	9	3	7
B	6	8	4	5	2	4	3
C	5	7	3	5	9	3	7

Apply the technique of two-way analysis to test the difference between means.

20. Mention and explain the different steps of writing of a research report.   8

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