

1057

M.Ed. (General) Second Semester

Paper – III [C10-ERS-II]: Educational Research and Statistics – II

Time allowed: 3 Hours

Max. Marks: 80

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I-IV.

x-x-x

Unit-I

- Q.1. Explain various types of attitude scales by quoting relevant examples. (14)
Q.2. What are characteristics of a good testing tool? Explain any three techniques of data collection. (5+9)

Unit-II

- Q.3. Describe any three types of descriptive method of research in detail. (14)
Q.4. Discuss true experimental, Quasi experimental and factorial designs by quoting examples. (14)

Unit-III

- Q.5. A group of students was tested on pre and post test. Scores of students are given below, does difference between pre and post test scores significant at .05 and .01 level of significance

Pre test	12	19	15	17	21	24	15	11	17	20
Post test	16	14	31	19	35	26	27	28	34	24

(14)

- Q.6. An achievement test is administered on three groups having ten students each. Do the groups differ on mean performance?

Group-A	22	25	19	21	15	20	16	18	21	23
Group-B	11	17	27	23	28	25	29	20	22	26
Group-C	19	23	33	20	24	13	17	22	29	31

(14)

- Q.7. In a school, 180 students are classified on the basis of intelligence at three levels i.e. high, average and low; and an adjustment inventory is administered on them and classified into three categories i.e. well adjusted, normal and maladjusted. Does the score on adjustment inventory differentiate between the three groups? Test the independence hypothesis.

	Well adjusted	Normal	Maladjusted
High Intelligence	26	22	10
Average Intelligence	20	25	18
Low Intelligence	12	19	28

(14)

- Q.8. An achievement test administered on 10 boys and 10 girls and scores are tabulate. in the table. Apply Mann Whitney U test for significance of difference of scores of two scores and interpret the results

Boys	25	23	21	24	16	14	17	20	28	32
Girls	27	17	19	20	30	29	24	23	25	33

(14)

Unit-V

- Q.9. Write short note on the following:

- (a) Indirect observation
(b) External criticism of data
(c) Degrees of freedom
(d) Assumptions of non parametric tests

(3.5X4=14)