PG EVEN SEMESTER EXAMINATION, 2024

EDUCATION

4th Semester

Course No. : EDN - 651

(Educational Research & Statistics-II)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer the questions)

1. (a) What are the main research designs that is being used in education & social science? 5

   (b) Describe the main elements of experimental design with suitable illustration. 9

Or

2. (a) Mention type of case and summerize the criteria for the selection of a case for case study. 2+5=7

   (b) Analyse the major strength and weakness of a case study design. 7

3. (a) Name the types of research tools commonly used in conducting educational research. 5

   (b) Explain the important technical and practical qualities of a good research tool. 9

Or

4. (a) What do you understand by teacher made and standarized test. 4

(b) Explain the steps of construction and standarization of a Research Tool. 10

5. (a) Analyse the main feature of parametric and non parametric tests. 7

(b) Explain type I and type II errors in hypothesis testing. 7

Or

6. (a) Define t-test. 3

(b) Ten college basket ball players were randomly selected for trial. Then they have undergone one month training for improving their vertical tumpurity following data : 11

Player	Max vertical tump before training (inch)	Max vertical tump after training (inch)
1	22	24
2	20	22
3	19	19
4	25	28
5	22	25
6	24	22
7	25	26
8	18	20
9	25	27
10	19	18

Calculate the statistics and interpret the results in terms of effectiveness of training.

7. (a) What are the types of data used in Educational study? Describe in brief. 7

(b) Explain the organization and analysis of quantitative data used in educational research. 7

Or

8. (a) What do you understand by qualitative data in education. 5

(b) Explain the method of organization, analysis and interpretation of qualitative data. 9

9. Write notes on : 7x2=14

(a) Use of computer software for data analysis.

(b) Coding & data entry in Microsoft Excel.

Or

10. (a) Coding and data entry in SPSS. 5

(b) Analysis and interpretation of scores. 9

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