PYH 451

II Semester M.Sc. Examination, September/October 2022
PSYCHOLOGY
Basics of Research and Statistics

Time : 3 Hours   Max. Marks : 70

I. Answer **any five** of the following (**Concepts**) :   **(5×2=10)**

1) What is a variable ?

2) Elucidate the meaning of internal validity of an experimental design.

3) Find the mode(s) of the following data :

   10, 17, 13, 16, 13, 18, 17, 12, 18, 14, 17, 15, 14, 19, 20, 14, 11.

4) Define coefficient of determination.

5) What is a Sample ?

6) What is Skewness ?

II. Answer **any three** of the following (**Short** Notes) :   **(3×5=15)**

7) Discuss the types of hypotheses.

8) Write a note on controlling extraneous variable.

9) Explain the nature, scope of statistics in psychological research.

10) Write steps of TWO Way ANOVA.

III. Answer **any three** of the following (**Essay** Questions) :   **(3×15=45)**

11) Write a detailed note on the types of sampling methods.

12) Critically examine the principles of experimental designs.

13) Write a note on measures of central tendency and variability and compute
     the mean and Standard deviation for the following data.

Test Scores	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
Frequency	3	9	13	17	16	10	8	4

14) Using the appropriate test, find out if Season and Depression are related.

	Spring	Summer	Fall	Winter
Depressive Mood	11	17	29	27
No Depressive Mood	12	19	7	8

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