Education (P.G.)

[CBCS]

M.A. First Semester End Examination-2023

PAPER-104

Full Marks: 40 ***Time: 02 Hrs***

The figures in the right-hand margin indicate marks.
Candidates are required to give their answers in their own words as far as practicable.
Illustrate the answers wherever necessary.

Group A

1. Answer any four questions of the following: **4x2= 8**

a. Define fundamental Research?

b. What do you mean by quantitative Research?

c. Define Mesokurtic and Platykurtic distribution.

d. What is sampling error?

e. Define Intervening variable.

f. When to use partial correlation?

g. '± 0.70'- Interpret of this value in terms of correlation.

Group B

2. Answer any Four questions of the following: **4x4= 16**

a. Calculate T-score transformation corresponding to a z-score of -1.5. In a normal distribution of scores, the percentile rank of a students scoring at - 1σ. 2+2

b. In a class test, the mean for psychology was 45 and SD was 5, while for months the mean was 80 and SD was 5. Mr Bipin kumar gets 50 marks in Psychology and 70 marks in maths. In which subject will he be considered to have done better? 4

c. In a testing survey of class 10 student with N=500 their mean was observed as 80 and SD as 8. Assuming normality of distribution of their scores, how many students would be below the score of a student getting 88? 4

d. Describe different characteristics of qualitative Research. 4

e. Define different characteristics of scientific method. 4

f. Write a short note about questionnaire. 4

g. When to use Biserial, Point-Biserial Tetrachoric and phi-coefficient correlation. 1+1+1+1

Group C

3. Answer any two questions of the following: 2x8=16

a. What is parameter. Describe probability sampling technique. 8

b. Details describe different types of scale (Levels of measurement). 8

c. Compute the value of Co-efficient of correlation between the following two series of scores obtained by a group of 10 students in physical science and mathematics. 8

Ph.Sc.	50	65	73	80	65	70	60	67	55	75
Math	70	81	90	85	90	90	65	75	72	92

d. Calculate mean, median, and SK. of the following distribution. 8

Scores	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Frequency	1	3	7	12	9	3	3	2

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