'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.A. Honours 4th Semester Examination, 2022

CC9-PSYCHOLOGY

STATISTICS IN PSYCHOLOGY

Time Allotted: 2 Hours   Full Marks: 60

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

GROUP-A

Answer any *two* from the following   12×2 = 24

1. Discuss in detail about the various types of Scales of Measurement.   12

2. Discuss the relevance of statistics in Psychology.   12

3. In an entrance examination, Ajay obtained the following scores in three sub-tests. The mean and SD of three sub-tests are also given. Find out in which sub-test Ajay performed better than the other two.   12

Student	Spelling test	Reasoning test	Arithmetic test
Ajay	56	72	38
Mean	50	66	30
SD	8	12	10

4. Compute mean from the given grouped data: 12

Scores	F
90-92	1
93-95	2
96-98	4
99-101	3
102-104	6
105-107	9
108-110	5
111-113	4
114-116	2
117-119	2
120-122	2

GROUP-B

Answer any *four* from the following   6×4 = 24

5.   Explain the properties of mean, median and mode.   6

6.   Compute median and mode from the following ungrouped data   6
     21, 24, 27, 29, 29, 30, 32, 33, 35, 38, 42, 45

7.   What do you understand by the term divergence from normality? Define   3+3
     Kurtosis along with its types.

8.   Compute standard deviation from the given ungrouped data   6
     30, 35, 36, 39, 42, 44, 46, 38, 34, 35

9.   Discuss the properties of normal probability curve.   6

10. Make a comparison between histogram and frequency polygon.   6

GROUP-C

Answer any *four* from the following   3×4 = 12

11. What do you understand by the term percentile?   3

12. Explain variance.   3

13. Define inferential statistics.   3

14. Explain the term Skewness.   3

15. What is coefficient of correlation?   3

16. Define mean, median and mode.   3

——×——