



WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 2nd Semester Examination, 2021

PSYACOR04T-PSYCHOLOGY (CC4)

Time Allotted: 2 Hours

Full Marks: 40

*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.*

Write short note on any *four* topics

5×4 = 20

1. Difference between Parameter and Statistic.
2. Properties of the measurements of Central Tendency.
3. Quantitative and qualitative variables.
4. Independent and Dependent Variable.
5. Difference between inferential and descriptive statistics.
6. Controlling techniques of extraneous variables.

Answer any *two* questions

10×2 = 20

7. What is Descriptive Statistics? What are the types of Descriptive Statistics? Write a short note about various descriptive statistical measures. 2+2+6
8. Define Correlation. Write down the assumptions of Product Moment correlation and Rank Order correlation. 2+8
9. Calculate the Mean and Standard Deviation of the following marks in Maths (out of 20) of two groups of students and compare the result- 10
Group 1 – 12, 16, 17, 19, 14
Group 2 – 13, 12, 19, 20, 18

10. A teacher of a school selects first fifteen students of the school without any randomisation. The scores of the ten students in Arithmetic and Algebra are as follows:

Arithmetic: 35, 23, 47, 17, 10, 43, 9, 6, 28, 36, 24, 42, 11, 37, 17

Algebra: 30, 33, 45, 23, 8, 49, 12, 4, 31, 39, 43, 29, 17, 25, 19

df 0.05 0.01

13 0.514 0.641

14 0.497 0.623

Compute the suitable correlation between the two data sets and determine the correlation coefficient.

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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