



**UNIVERSITY OF NORTH BENGAL**  
B.A. Honours 4th Semester Examination, 2021

**CC9-PSYCHOLOGY**

**STATISTICS IN PSYCHOLOGICAL RESEARCH**

Full Marks: 60

**ASSIGNMENT**

*The figures in the margin indicate full marks.*

**GROUP-A**

**Answer any two of the following questions (word limit 500) 20×2 = 40**

1. What do you mean by descriptive and inferential statistics? Distinguish nominal and ordinal scales with suitable examples. (5+5)+10
2. Define mean and median. Compute mean and median for following distribution (4+4)+(6+6) below:

Scores	f
120-122	2
117-119	2
114-116	2
111-113	4
108-110	5
105-107	9
102-104	6
99-101	3
96-98	4
93-95	2
90-92	1
	N = 40

3. What is normal probability curve? What are its uses? Discuss the nature and properties of a normal probability curve. 4+4+(6+6)
4. What do you mean by population and a sample? What are the different types of probability sampling? Discuss the advantages of sampling in research? (2+2)+10+6

**GROUP-B**

**Answer any *two* of the following questions (word limit 300)**

10×2 = 20

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|----|--|-----|
| 5. | What is psychological research? State the relevance of statistics in psychological research.   | 4+6 |
| 6. | Compute SD from the given ungrouped data — 52, 50, 56, 68, 65, 62, 57, 70  | 10  |
| 7. | What is standard score? Why is it important to convert raw scores into some standard scores for inter-individual or intra-individual comparison? | 3+7 |
| 8. | Define correlation coefficient. Describe Spearman's rank-order correlation coefficient.  | 4+6 |

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