

**2020**  
**UNIVERSITY OF CALCUTTA EXAMINATION CONDUCTED BY LORETO COLLEGE**  
**B.A/B.Sc. SEMESTER IV HONOURS EXAMINATION, CBCS SYSTEM**

**GROUP B**  
**PSYCHOLOGY – HONOURS – PRACTICAL**

**CC – 9**

**TIME ALLOTTED: 40 minutes**

**FULL MARKS: 30**

*The figures in the margin indicate full marks for each question.*

1. **Answer the following: (Word Limit – 200 words)** **15x2=30**

- a) The scores in a perceived stress scale before and after facing a bad interview are given below for 8 candidates. Statistically compute and see if there is any significant difference in the mean perceived stress level of these 8 candidates across the two situations. 15

Before interview	After interview
90	123
102	125
114	138
103	115
93	132
115	141
106	126
96	121

Critical scores for  $df=7$ : 2.365 (0.05) & 3.499 (0.01).

Solve and state the conclusion.

- b) A group of students were asked to respond to the statement "Right to Equality is a Myth in India". The replies received are shown below as a 4 (2x2) fold contingency table: 15

	Yes	No
Male	28	20
Female	20	37

Is there any significant sex difference in attitude towards the statement? Frame the Null and Alternative Hypotheses and Interpret the result.

Critical Values:  $df= 1$ , 3.84 (0.05 level)

6.64 (0.01 level)