



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 4th Semester Examination, 2020

**PSYACOR08T-PSYCHOLOGY (CC8)**

**STATISTICAL METHODS FOR PSYCHOLOGICAL RESEARCH-II**

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.*

**Answer any four questions from the following**

10×4=40

1. Write short notes on (a) inferential statistics (b) z test.
2. What do you mean by ANOVA? What is one way ANOVA?
3. What are non parametric tests? When is Mann Whitney U test used?
4. The Mean and SD of an anxiety test on 50 participants are 52 and 7.4. If a participant scores 44 on the test, what percentage of the population lies below him?  
 $0.80 = 0.2119$ ;  $0.81 = 0.2090$ ;  $0.82 = 0.2061$
5. Out of 200 male individual, 88 had high neuroticism and the rest had low neuroticism. Out of 150 female individual 90 had high neuroticism and the rest had low. Is there any association between gender and neuroticism?  
 $0.05 = 3.841$   
 $0.01 = 6.635$
6. A test of achievement was conducted between two group of subjects. Following are the test scores. Find if there is any significant difference between the two groups-  
Group 1 – 33, 35, 47, 29, 32, 39.  
Group 2 – 29, 32, 39, 30, 32, 34, 30  
 $N(6,7) = 3$

**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.*

—x—