

**B.A/ B.SC 3<sup>RD</sup> Semester (HONOURS) examination, 2020 (CBCS)**

**SUBJECT: PSYCHOLOGY**

**Paper: CC5 ( PSYCHOMETRY)**

**TIME: 2 Hrs**

**Full Marks: 40**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answer in their own words  
as far as practicable.*

**A. Answer any eight of the following questions.**

**8X5=40**

1. Write down any four properties of a normal probability curve.
2. Write a brief note on the types of kurtosis.
3. Define different measures of correlation.
4. Differentiate between 't' test for independent and dependent samples.
5. Differentiate between parametric and non parametric statistics.
6. Write a brief note on type I and type II error.
7. Differentiate between bi-serial and point bi-serial correlation.
8. What is chi-square? Write down the concept of Yate's correction.
9. Assuming normality, calculate the product moment correlation coefficient value by using the following scores on Mathematics and Bengali obtained by 5 students.  
Mathematics: 127, 116, 111, 103, 99.  
Bengali: 40, 42, 37, 20, 33.
10. Assuming normality, calculate the 't' value by using the following data on an aptitude test.  
Male: 70, 72, 83, 44, 77.  
Female: 95, 80, 79, 48, 37.