

Burdwan Raj College
Department of Commerce
Internal Assessment: Home Assignment

(To be Submitted to designated email id mentioned below by November 2020)

Semester: IV

Subject: *Hons/Pass Business Math and Stat(H)*

Paper: ge4

Send your assignments to (email id): brcbcomhge4@gmail.com

Date- 18/11/2020

Time: 1:30pm-2pm

Full Marks: 15

Date - 18/11/2020

Time - 1-30 P.M.

To
2 P.M.

BURDWAN RAJ COLLEGE
INTERNAL ASSESSMENT-2020
B.COM (H), SEM - IV
SUB: BUSINESS MATH & STAT
PAPER - GE 04

TIME: 30 mins

F.M - 10

ANSWER ANY 5 QUESTIONS:

5 x 3 = 15

1. Define singular and non-singular matrix.

2. Prove without expanding $\begin{vmatrix} a & 1 & b+c \\ b & 1 & c+a \\ c & 1 & a+b \end{vmatrix} = 0$

3. Find the value of $\lim_{x \rightarrow 0} \frac{e^x - e^{-x}}{x}$

4. Prove that the derivative of a constant number is zero.

5. Write down the relation between mean, median and mode.

6. Find the value of S.D if $n = 25$, $\sum x = -75$, $\sum x^2 = 850$

7. Find r if $b_{yx} = -0.625$ and $b_{xy} = -0.4$

8. Write down the Laspeyres and Paasche's Price Index formula.

Procedure of Appearing in the Internal Examination:

- 1. Download the question paper from the “online examination” section of the College portal: www.burdwanrajcollege.ac.in**
- 2. Write your assignment on blank white A4 size papers.**
- 3. The assignment must carry the following details of the student:**
 - a. Name of the Student
 - b. University Roll Number
 - c. University Registration Number
 - d. Name of the Paper
 - e. Mobile Number of the Student
- 4. Examinees will have to submit their own hand-written answer scripts electronically to the mail id specified by the College in a single pdf file.**
- 5. On the subject-line of the mail write your Name and University Roll No.**