

Burdwan Raj College

Department of Statistics

Internal Assessment: Home Assignment

(To be submitted to designated email id mentioned below by 11 am of 15th November 2020)

Semester: II

Subject: Statistics;

Honours/Pass: - Pass (General)

Paper: CC-2/GE-2

Send your assignments to (email id): svnbis007@gmail.com

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.

Question paper

BA/BSc 2nd Semester Internal Assessment: Home Assignment 2020

Discipline: STATISTICS

Course Type: GEC

Paper Code: CC-2/GE-2

Course Name: Introductory Probability

Full Marks: 10

Time: 24 Hours

Answer any one of the following questions

1. Explain Bayes' theorem and its applications.

6+4=10

2. What are discrete and continuous random variables? Explain the terms 'expectation', 'variance', 'moments' and 'moment generating function'.

2+ (2×4) =10

3. Describe De-Moivre Laplace and Lindeberg-Levy Central Limit Theorem (C.L.T).

5×2 =10

4. Briefly write the basic concepts of Binomial Distribution, Hyper-geometric Distribution, Normal Distribution, Beta Distribution, Poisson Distribution.

2×5 =10
