

# Government Degree College Ganderbal

## Department of Statistics

### Some Important Instructions

Before writing and preparing your assignments, candidates are required to read the instructions given below carefully. It is mandatory for candidates to strictly adhere to every point so that your assignments will be approved for evaluation without any issue.

- 1) Students are required to write down their Roll No, Name, Registration No, Semester and page numbering, on top of each page.
- 2) The assignments must be hand written on A4 size ruled paper with not more than 10 pages.
- 3) Students are required to convert their hand written assignment into a single pdf file by using a user friendly camscanner app.
- 4) Students are required to scan your hand written assignments clearly, so that the submitted assignments are readable for concerned evaluator
- 5) Students are required to submit their scanned copy of assignment through Email: [statistics.assignmentskillsem5@gmail.com](mailto:statistics.assignmentskillsem5@gmail.com)
- 6) Do not waste your precious time by simply copying from other students, instead you must use your IQ to prepare your assignments for best results
- 7) Students are advised to keep a hard copy of their assignments with them
- 8) The last date for the submission of assignments is 26/06/20.
- 9) Students must put their signatures on top of each page.
- 10) The first page of assignment must only contain the following information
  - i) Name of candidate.....
  - ii) Roll No.....
  - iii) Batch.....
  - iv) Category: Fresh/Backlog.....
  - v) Regn. No:.....
  - vi) Subject.....
  - vii) Semester.....
  - viii) Contact No.....
  - ix) Email address.....
  - x) Date of Submission.....
  - xi) Signature of Candidate.....
- 11) Last but not least students must cross check whether they have followed all the points given in the instructions carefully before the submitting their assignments.

**Assignment Paper for 5<sup>th</sup> semester (Skill), June 2020**

**Subject: Skill Enhancement Course (Bio-Statistics)**

**B.A/B.Sc. Regular Batch 2017 and Backlog Students of Batch 2016**

Note: Attempt any 02 questions. Each question carries equal marks.

Q1 (i) Find mean, mode and median of the following data

C.I: 2-4    4-6    6-8    8-10    10-12

f:    2        4        3        2        1

(ii) What is meant by classification? Describe each characteristic of classification in detail.

Q2 (i) What do you understand by testing of hypothesis. Hence define null and alternative hypothesis.

(ii) A sample of 900 members has a mean 3.4 cms with S.D 2.61. Can we conclude that this sample has come from a population with mean 3.25 and S.D 2.61? if the tabulated value of test statistic at 5% level of significance is 1.96 what will be your decision?

Q3 (i) What are the different measures of dispersion? Explain standard deviation and coefficient of variation with suitable examples.

(ii) What are the basic principles of experimental design elaborate each.

Q4 (i) Find the standard deviation of the following data

C.I: 3        6        9        12        15

f:    3        4        5        2        1

(ii) What do you understand by complete randomized design (CRD)? Explain with the help of suitable example