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Total Pages : 3

Roll No.

MSCBOT-606

Biostatistics

M.Sc. Botany (MSCBOT)

4th Semester Examination, 2023 (June)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. Give a detailed account of classifications of data and its types.

2. Discuss in brief the utility of standard of deviation in biology and write its merits and demerits.
3. Write a detailed note on One way ANOVA clearly mentioning the mathematical model, various sum of squares and the ANOVA table.
4. Define Biostatistics. Explain in detail about work procedure, merit and demerits of Mean.
5. What are the basic principles and types of experimental design?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Discuss briefly the measures of Central tendency.
2. Write a short note on merits and utility of median.
3. Write a short note on correlation.
4. Discuss about Chi Square Test and its uses.

5. Discuss in brief about Simple and Composite Hypothesis.
 6. Differentiate between pictogram and histogram.
 7. Write short note on range and its utility.
 8. Discuss in brief about Randomized block design (RBD).
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