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BOT-551

Cell Biology, Genetics, Biostatistics and Ecology

M.Sc. BOTANY (MSCBOT- 12/13/16/17)

Second Year, Examination, 2019

Time: 03 Hours Max. Marks: 80

Note: This paper is of Eighty (80) marks, divided into two (02) sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long-Answer-Type Questions)

Note: Section 'A' contains five (05) long-answer-type questions of fifteen (15) marks each. Learners are required to answer any three (03) questions. (3×15=45)

1. Describe the structure of chromosome giving well-labelled diagrams.

2 Describe chromosomal aberrations in detail.

3 Describe the application of computers in Biology

4. Describe characteristics of community.

5. Write in detail about climate change.

SECTION-B

(Short Answer Type Questions)

Note: Section 'B' contains eight (08) short-answer type questions of seven (07) marks each. Learners are required to answer any five (05) questions only. (5×7=35)

1. Describe apoptosis.
2. Describe cell cycle.
3. Describe the structure of DNA.
4. Describe law of incomplete dominance.
5. Describe calculation of arithmetic mean.
6. Describe types of biodiversity.
7. Write a short note on forest ecosystem.
8. Describe green house gases.

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