

K-358

Total Pages : 3

Roll No.

MSCBOT-602

Plant Ecology

M.Sc. Botany (MSCBOT)

3rd Semester Examination, 2023 (Dec.)

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 answers 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. What do you understand by pollution? Write detailed account on any two types of the pollution with their causes and control measures.
2. Define Land degradation. What are different types of the degraded land? Write about different measures of land degradation, prevention and control measures.
3. Write notes on any *two* of the following :
 - (a) Abiotic factors.
 - (b) Ecological Pyramid.
 - (c) Food web.
 - (d) Nitrogen cycle.
4. What do you understand by population? Write about population characteristics.
5. Explain ecological succession. Write debated procedure of ecological succession in pond or on a bare rock.

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. Explain principle of sustainable development.

2. Explain ecological niche.
 3. Comment on loss of biodiversity.
 4. Population explosion.
 5. Comment on ecological adaptation.
 6. Ecological urbanization.
 7. Define biosphere.
 8. Ten percent law of ecological energetics.
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