

A-1217

Total Pages : 3

Roll No.

MSCBOT-607

M.Sc. Botany (MSCBOT)

Forest Ecology (Elective Course)

Examination February, 2026

Time : 2:00 Hrs.

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 (2×19=38)

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.

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(1)

P.T.O.

1. Discuss in detail about the importance of forest in conservation of environment.
2. Provide an analysis of different types afforest litter.
3. Discuss about the attributes of species of different forest succession stages.
4. Describe in detail about any one type of forest found in Himalayas.
5. What do you understand by nutrient recycling in forest ecosystem ? Explain citing example of any biogeochemical cycle.

Section–B

Short Answer Type Questions (4×8=32)

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.

1. Write a short note on shifting agriculture.
2. Mention about the factors affecting the process and rate of decomposition.
3. Briefly describe about weathering of rock minerals.

4. Giving example mention about detritus pathway of energy flow in ecosystem.
5. Assess the impact afforest on precipitation apportionment.
6. Mention about nutrient conservation adaption of oligotrophic soils.
7. What is photosynthetic capacity ? Also mention about the significance of photosynthetic pathways.
8. Discuss about any *two* methods utilized for biomass measurement.
