

K-362

Total Pages : 3

Roll No.

MSCBOT-607

Forest Ecology (Elective Course)

M.Sc. Botany {MSCBOT}

4 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 are the decomposers? Discuss the properties, types and importance of decomposers.
2. What do you understand by biomass accumulation in plants? Discuss the various factors affecting the biomass accumulation.
3. Describe the role of water in nutrients cycling.
4. What do you understand by watersheds? Discuss the various method of drainage of water from watersheds.
5. Write a detailed note on the forests of Himalaya.

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 the role of fire on physical and chemical properties of the soil.
2. Briefly describe shifting cultivation.
3. Write a short note on agro-ecosystem?

4. Distinguish between wet deposition and dry deposition.
 5. Write a short note on different species of oak.
 6. Briefly describe the various factors affecting the litter decomposition.
 7. Write a short note on :
 - (i) Greenhouse effect.
 - (ii) Acid rain.
 8. Draw any gaseous cycle which you have studied.
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