



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

M.Sc. Examinations 2020

Semester IV

Subject: BOTANY

Paper: 401

(Theory)

Full Marks: 40

Time: 2hrs.

Candidates are required to give their answers in their own words as far as practicable.

Unit – I (Silviculture and Forest Mensuration)

Answer any one of the following questions (within 250 words):

1. Write note on agro-forestry.
2. Mention the role of light in forest formation.
3. How wild animals influence forest plants?
4. What are the different topographical factors?
5. What are the different instruments used to measure height of a standing tree?
6. Mention the different objectives of silviculture.

Unit – II (Silviculture system and Forest Management)

Answer any one of the following questions (within 250 words):

1. What are tolerant and intolerant species? Write short notes on even-aged and uneven-aged management systems.
2. What is Clear Felling System? Discuss about the process of removal of mature crops in clear felling system. What are the variations of clear felling system?
3. Briefly describe the method of artificial regeneration through different types of Taungya. What are the advantages and disadvantages of Taungya system?



4. Enumerate the method of felling in simple coppice system. What is the purpose of standard in coppice system with standard?
5. Write a short note on selection system. Discuss the advantages and disadvantages of selection system.
6. Briefly describe the principles and objectives of forest conservation

Vidyasagar University