

[4]

SECTION 'C'

$4 \times 10 = 40$

Long Answer questions (Word limit 400-450 words.)

UNIT-I

Q. 1. Write an essay on UV radiation and its effects on plants.

OR

Write an essay on CO<sub>2</sub> fertilization.

UNIT-II

Q. 2. Write note on soil pollution and its effects on plants.

OR

Write note on sources of radioactive pollution and its effects on ecosystem.

UNIT-III

Q. 3. Write notes on plants used in social forestry.

OR

Write notes on ecological perturbation.

UNIT-IV

Q. 4. Write note on conservation and management of natural resources.

OR

Write note on Ex-situ conservation with suitable examples.

-----XXX-----

[1]

ROLL NO.....

**BOT. 402/22**

IV SEMESTER EXAMINATION, 2022

M.Sc. (BOTANY)

PAPER-II

PLANT ECOLOGY & CONSERVATION

TIME: 3 HOURS

MAX.- 80

MIN.- 16

**Note:** The question paper consists of three sections A, B & C. All questions are compulsory.

Section A- Attempt all multiple choice questions.

Section B- Attempt one question from each unit.

Section C- Attempt one question from each unit.

SECTION 'A'  $2 \times 8 = 16$

MCQ (Multiple Choice Questions)

1. The Taj Mahal is being affected by -

- (a) Noise Pollution (b) Air pollution  
(c) Water pollution (d) None of these

2. Which one of the following chemicals has been banned in India. -

- (a) Acephate (b) Deet  
(c) Metaldehyde (d) DDT

3. Level of noise recommended in most countries is -

- (a) 30-40 dB (b) 95-100 dB  
(c) 85-90 dB (d) 75-80 dB

[2]

4. Social Forestry means -
- (a) It is the forestry of people by the people and for the people.
  - (b) The forestry in which the efforts aimed at raising and managing trees for the benefits of rural people.
  - (c) Both (a) and (b)
  - (d) None of these
5. The most appropriate definition of natural resources is that it is a substance or commodity that is -
- (a) Present only on land
  - (b) A gift of nature which is very useful to mankind
  - (c) A man made substances placed in nature
  - (d) Available only in forest
6. Example of in-situ conservation is / are -
- (a) National Park
  - (b) Wet land
  - (c) Mangroves
  - (d) All of the above
7. Expand the abbreviation of GAP?
- (a) Government agency for pollution control
  - (b) Gross assimilation for photosynthesis
  - (c) Ganga Action Plan
  - (d) Government agency for animal protection
8. Where is the Headquarter of NBPGR -
- (a) New Delhi
  - (b) Mumbai
  - (c) Bangalore
  - (d) Lucknow

[3]

**SECTION 'B'**

**4 × 6 = 24**

**Short Answer Type Questions (Word limit 200-250 words.)**

**UNIT-I**

**Q. 1.** Write note on Global Warming.

**OR**

Write note on Sea level rise.

**UNIT-II**

**Q. 2.** Write note on water pollution and its effects on plants.

**OR**

Write notes on Noise pollution.

**UNIT-III**

**Q. 3.** Write notes on plant invasion.

**OR**

Write notes on Environmental impact assessment.

**UNIT-IV**

**Q. 4.** Write notes on Bio-indicators.

**OR**

Write notes on National Parks.