

FOURTH SEMESTER EXAMINATION 2021-22

M.Sc. BOTANY

Paper - II

Pollution & Conservation of Plants

Time : 3.00 Hrs.

Max. Marks : 80

Total No. of Printed Page : 03

Mini. Marks : 29

Note:- Question paper is divided into three sections. Attempt question of all three section as per direction Distribution of marks is given in each section.

Section 'A'

Very short answer question (in few words)

Q.1 Attempt any six questions from the following :

6x2=12

- (i) Give the names of IUCN categories of threat.
- (ii) Define ' Hot Spots'.
- (iii) Hormany Sancturies are found in Chhattisgarh ? Name them.
- (iv) Define Biosphere Reserves.
- (v) Define Seed Bank.
- (vi) What is Endmism ?
- (vii) Name only the four chief sources of water pollution.
- (viii) Give the names of Indian Agencies which are involved in conservation.
- (ix) Give the full form of CITES and IUCN.

(2)

- (x) Give only four effects of air pollution on plants.

Section 'B'

Short answer type question (in 200 words)

Q.1 Attempt any four questions from the following : 4x5=20

- (i) What is the role of Biodiversity in ecosystem functioning.
- (ii) Give an account of Extinctions.
- (iii) Give an account of Biosphere Reserves.
- (iv) Give a brief account on Gene Banks.
- (v) Describe the Green House Effect.
- (vi) Describe in very brief about 'Soil Pollution'.
- (vii) Comment upon 'Cryobanks'.

Section 'C'

Long answer/Essay type question.

4x12=48

Q.3 Attempt any four questions from the following questions :

- (i) Write an essay on "Biodiversity and its levels and value".
- (ii) Differentiate between 'In situ' and 'Ex-situ' conservation with examples.
- (iii) Write an essay on "Wetlands".
- (iv) Write an account on National and International efforts on conservation.

(3)

- (v) Comment upon the "Botanical Gardens".
- (vi) Describe the causes and consequences of Air Pollution.
- (vii) Write about the effects of water pollution.

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