

Roll No. : .....

Total No. of Questions : 11 ]

[ Total No. of Printed Pages : 3

# **BPG-1083**

**M.Sc. (Previous) Examination, 2021**

**BOTANY**

Paper-III

**(Ecology, Phytogeography, Ethnobotany and  
Economic Botany)**

*Time : 1½ Hours ]*

*[ Maximum Marks : 75*

**Section-A**

**(Marks : 2 × 10 = 20)**

**Note :-** Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

**Section-B**

**(Marks : 5 × 5 = 25)**

**Note :-** Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

**Section-C**

**(Marks : 10 × 3 = 30)**

**Note :-** Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

**Section-A**

2 each

1. (i) Define Ecosystem.
- (ii) Habit and Habitat.

**BI-765**

( 1 )

**BPG-1083** P.T.O.

- (iii) What is Food web ?
- (iv) What is Ecological Niches ?
- (v) What are the sources of Soil Pollution ?
- (vi) What is Afforestation ?
- (vii) Give definition of Phytogeography.
- (viii) Name the family and botanical name of Bajra.
- (ix) Name *two* medicinal plants, which are recently used in 'Ayurvedic Kadha' for increase immunity against 'Corona'.
- (x) Define Biosphere Reserves.

**Section-B**

5 each

Attempt all questions should not exceed **200** words in each question.

2. Explain food chain in brief.

*Or*

Describe briefly N and S cycles.

3. Write about UNEP (United Nations Environmental Programme).

*Or*

IBP (International Biological Programme).

4. Write about Silvopastures.

*Or*

Green belt.

5. Describe shortly characteristic vegetation of great 'Indian Thar Desert'.

*Or*

Shortly describe types of natural distribution.

6. Define Ethnobotany, its aims and objectives.

*Or*

Write about major tribes and their life style of Rajasthan.

**Section–C**

10 each

7. Briefly describe plant succession and energy flow.
8. Describe the effect of environmental pollution on plants, animals and human beings.
9. Describe shifting cultivation and its consequential damage to forest ecosystem.
10. Write about the different centers of origin of cultivated plants.
11. Write botanical characteristics of Rice. Write about its origin, distribution, uses and cultivation.