

Total No. of Questions : 8]

[Total No. of Printed Pages :

HSEIRKN15

6418-Y

BOTANY

(Biology)

Time : 1 ½ Hours]

[Maximum Marks:

(Long Answer Type Questions)

5 Ea

- 1 Define cross pollination. Name the contrivances that favour it and describe any two of them.

Or

Describe the process of double fertilization. What is its significance ?

2. What is multiple allelism ? Explain with the help of an example.

Or

Define genetic code Point out its characteristics.

(Short Answer Type Questions)

3 I

3. Why did Mendel select garden pea for his experiments ?
- 4 Define tissue culture Name any *three* applications of tissue culture.

Turn Over

HSEIRKN15-6418-Y

5. Name the various interactions in a biotic community and describe any one of them.

6 Suggest any *three* measure for controlling pollution or our lakes

(Very Short Answer Type Questions) 3 Each

7. The following very short answer type questions of 2 marks, each may be answered in a few words or few sentences or as may be required.

(a) Point out the advantages of vegetative reproduction in plants

(Any *two* points)

(b) What are the advantages of biogas over LPG.

(c) Biofertilizers are more desirable than chemical fertilizers. Justify.

(d) Name any *two* National Parks and *two* sanctuaries.

(Objective .Type Questions) 1 Each

8. Choose the correct/most appropriate answer and write in your answer-book :

(i) Define natality rate.

(ii) Translation occurs in :

(a) Nucleus

(b) Cytoplasm

(c) Both (a) and (b) .

(d) None of these

(iii) Succession on a burnt forest represents

(iv) Water pollution is the most severe pollution problem in Kashmir.
(False/True)

(v) The breakdown of dead organic matter is carried out by the organisms called