

HSEIIPJX

34019

Botany

(Biology)

(Long Answer Type Questions)

1. Describe the development of female gametophyte with the help of suitable diagrams:

Or

(a) Draw a labelled diagram of an albuminous seed (L.S.).

(b) How are seeds advantages to flowering plants ?

2. Briefly describe the chromosomal basis of inheritance.

Or

What is Semi-conservative DNA replication? How was it experimentally proved and by whom? <https://www.jkboseonline.com>

(Short Answer Type Questions)

3. What are the essential requirements of the genetic material ?

4. Write a note on Biopiracy.

5. Describe the various applications of Tissue Culture in brief.

6. Give an account of Ecological Succession.

(Very Short Answer Type Questions)

7. What is double fertilisation:?.

8. Explain predation with example.

9. Why a need is felt to conserve biodiversity ?

10. List the effect of Ozone depletion.

(Objective Type Questions)

11 What is Central Dogma ?

12. Removal of Anthers from a bisexual flower to make it a female flower

(Give the technical one word)

13 Flow of energy in an ecosystem is unidirectional. (True/False)

14 in biology means disappearance of species from the world.(Fill in the blank)

15. Green house effect is due to :

(a) SO₂ (b) CO₂ (c) CO (d) O₂

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