



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.A./B.Sc./B.Com. Part-III (1+1+1) Examination 2020

3rd Year (Honours)

Subject: BOTANY

Paper: VI

Full Marks: 80 (Theory)

Time: 4 Hours (Theory)

Candidates are required to give their answer in their own words as far as practicable.

Questions are of equal value.

Answer **one question** [within 250 words] from the following:

1. Name the major classes of RNA. Discuss on their structure and functions.
2. Give a brief account of the mechanism of transcription in prokaryotes.
3. Give an account of the structure of cell membrane in the light of fluid mosaic model.
4. Briefly discuss the ultrastructure of Mitochondria
5. What is MPF? Briefly mention the role of Cdks in the regulation of the cell cycle.
6. Write about different chromosome banding and their applications.
7. What is genetic code? Discuss the properties of it.



8. Define hybridization. Discuss the hybridization method in self-pollinated crop.
9. Write briefly the structure of IS elements and mention significance of transposable elements.
10. What is the difference between biofertilizer and organic fertilizer? Write a short note on VAM.
11. Discuss the importance of tissue culture.
12. Write the applications of recombinant DNA technology in agriculture.

Vidyasagar University