

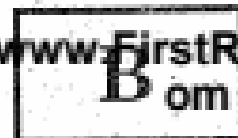


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of Questions - 21

of Printed Pages - 2

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No.

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Part - III

BOTANY, Paper - II

(English Version)

Hours

Max. Marks : 60

Read the following instructions carefully :

Answer all questions of Section 'A'. Answer any six questions out of eight in Section 'B' and answer any two questions out of three in Section 'C'.

In Section 'A', questions from Sr. Nos. 1 to 10 are of "Very Short Answer Type". Each question carries two marks. Every answer may be limited to 20 lines. Answer all the questions at one place in the same order.

In Section 'B', questions from Sr. Nos. 11 to 18 are of "Short Answer Type". Each question carries four marks. Every answer may be limited to 20 lines.

In Section 'C', questions from Sr. Nos. 19 to 21 are of "Long Answer Type". Each question carries eight marks. Every answer may be limited to 60 lines.

Draw labelled diagrams wherever necessary for questions in Sections 'B' and 'C'.

SECTION A

10 × 2 = 20

Answer all questions. Each answer may be limited to 5 lines.

1. Name Hydroponics.

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2. How does guttation differ from transpiration?



SECTION B

6

Note : Answer any six questions. Each answer may be limited to 20 lines.

11. What is meant by plasmolysis? How is it practically useful to us?
12. Define RQ. Write a short note on RQ.
13. Write briefly about enzyme inhibitors.
14. Write a note on agricultural/ horticultural applications of auxins.
15. Explain the structure of T-even bacteriophages.
16. Explain incomplete dominance with an example.
17. Write the important features of genetic code.
18. Give a brief account on Bt. cotton.

SECTION C

2

Note : Answer any two questions. Each answer may be limited to 60 lines.

19. Explain Calvin Cycle.
20. Explain briefly the various processes of recombinant DNA technology.
21. You are a Botanist, working in the area of plant breeding. Describe the various steps that you will undertake to release a new variety.