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B

of Questions - 21

of Printed Pages - 2

Regd. No. | 1 | 8 | 6 | 0 | 2 | 2 | 3 | 3 | 9 | 3 |

Part - III

BOTANY, Paper - II

(English Version)

Hours *Max. Marks : 60*

ad the following instructions carefully :

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

ection 'A', questions from Sr. Nos. 1 to **10** are of **"Very Short Answer e"**. Each question carries **two** marks. Every answer may be limited to es. Answer **all** the questions at one place in the same order.

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

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

w labelled diagrams **wherever necessary** for questions in Sections 'B' 'C'.

SECTION A

$10 \times 2 = 20$

nswer **all** questions. Each answer may be limited to **5** lines.

ne Hydroponics.

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y does guttation differ from transpiration?

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me a microbe used for statin production. How do statins lower blo
cholesterol level? www.FirstRanker.com
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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** line

19. Explain Calvin Cycle.

20. Explain briefly the various processes of recombinant DNA technolog

21. You are a Botanist, working in the area of plant breeding. Describe
various steps that you will undertake to release a new variety.

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