Roll	No.		
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Total No. of Questions: 11

[Total No. of Printed Pages : 3

BPF-2185

M.Sc. (Final) Examination, 2022 BOTANY

Paper - VIII (c)

(Advanced Plant Physiology-II)

Time: 3 Hours [Maximum Marks: 75

Section-A (Marks : $2 \times 10 = 20$)

Note: Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section–B (Marks: $5 \times 5 = 25$)

Note: Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

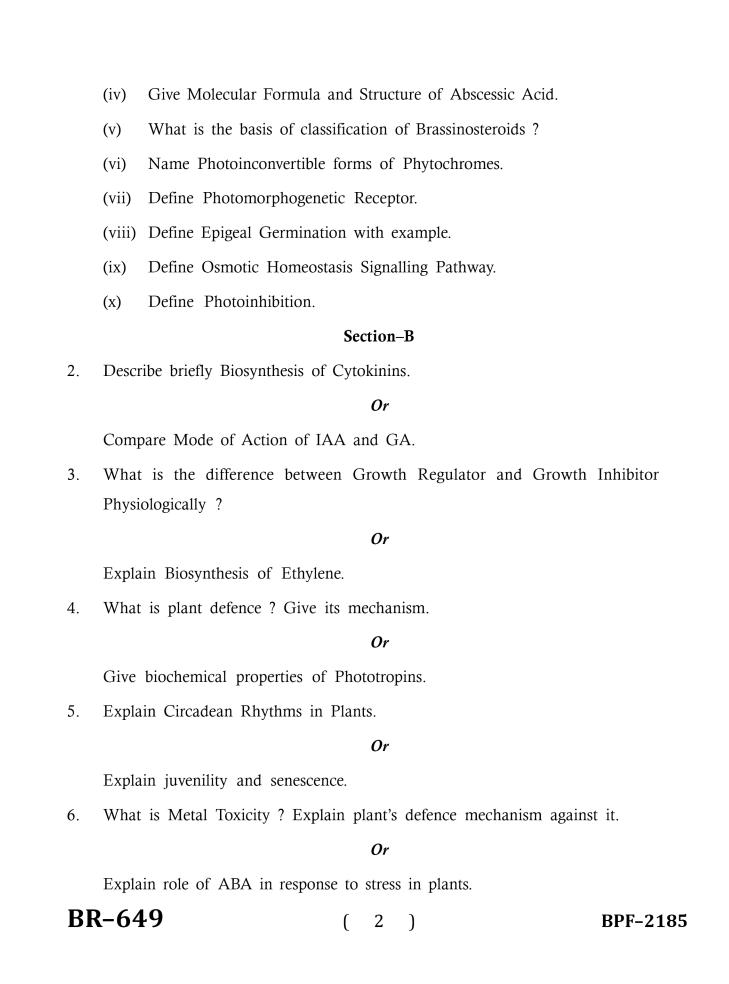
Section–C (Marks: $10 \times 3 = 30$)

Note: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

- 1. (i) Name The First GA to be structurally characterized.
 - (ii) Define Plastochron.
 - (iii) Define Non-Formative Effect.

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Section-C

- 7. Explain Biosynthesis pathway, mode of action and function of Auxins.
- 8. Define growth retardants. Give their physiological effects and biochemistry.
- 9. Give details of photochemical and biochemical properties of phytochromes.
- 10. Write a note on Seed Germination and Seed Dormancy.
- 11. What do you understand by Stress Physiology in Plants? Explain in brief plant response to Biotic and Abiotic Stress.