Total No. of Questions: 11]

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BFMS-407

M.Sc. (Final) Examination, 2023 BOTANY

Paper - VIII (a)

(Advanced Plant Pathology-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 limit200 words). Each question carries 5 marks.

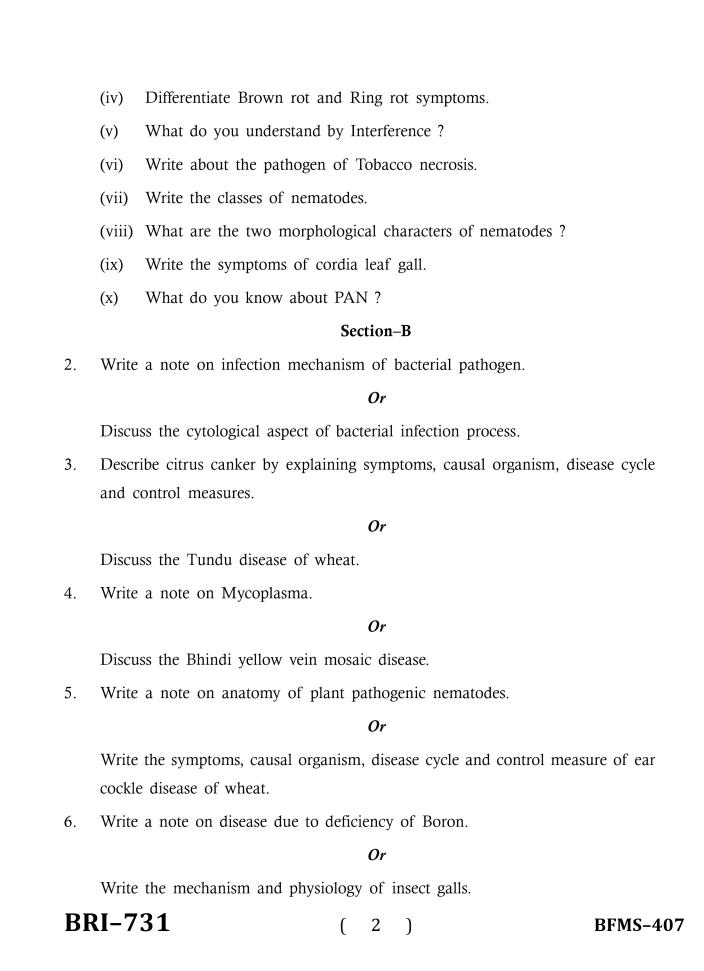
Section–C (Marks : $10 \times 3 = 30$)

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

Section-A

- 1. Answer in short:
 - (i) How are bacteria named?
 - (ii) Differentiate between the wilt and scab symptoms.
 - (iii) Write the symptoms of citrus canker.

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Section-C

- 7. Describe in detail classification and symatology of bacterial pathogen.
- 8. Describe symptoms causal organism, disease cycle and control measure of Red stripe of sugarcane.
- 9. Give an illustrated account on isolation, purification and culturing of viruses.
- 10. Describe in detail classification and identification of plant pathogenic nematodes.
- 11. Describe in detail some insect induced plant galls of zizyphus stem galls and pongamia leaf galls.