Ro11	No.	:	
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Total No. of Questions: 11]

Time : **3** *Hours*]

[Total No. of Printed Pages : 3

[Maximum Marks : 75

BPP-1102

M.Sc. (Previous) Examination, 2022 BIOTECHNOLOGY

Paper - III

(Concept of Microbiology and Immunology)

Section—A (Marks: 2 × 10 = 20)

Note:— Answer all ten questions (Answer limit 50 words). Each question carries

2 marks.

Section—B (Marks: 5 × 5 = 25)

Note:— Answer all five questions. Each question has internal choice (Answer limit

200 words). Each question carries 5 marks.

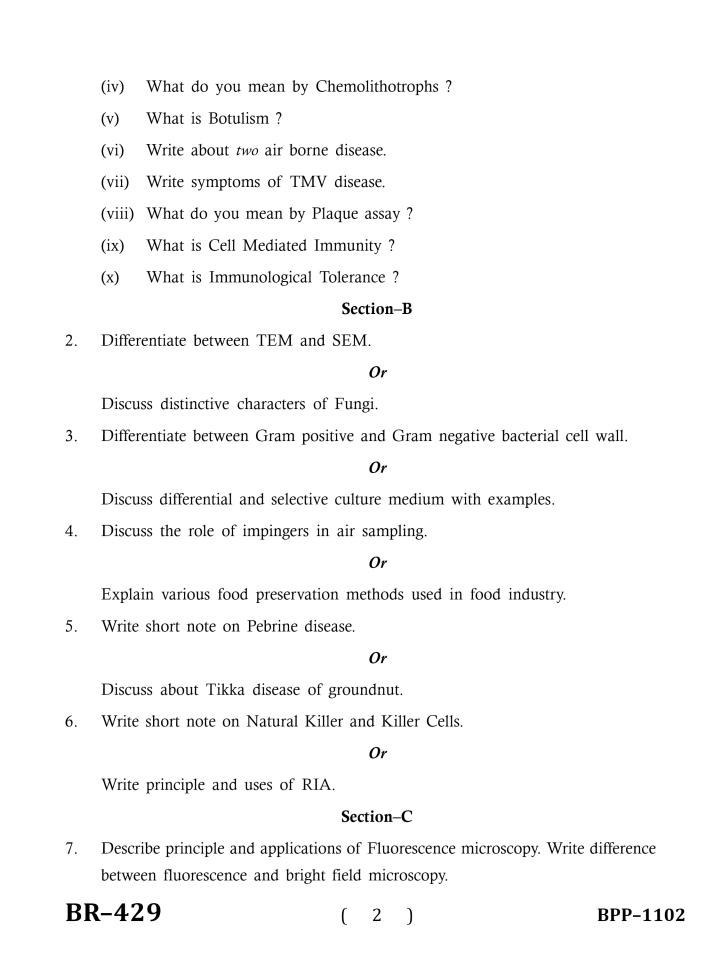
Section–C (Marks: $10 \times 3 = 30$)

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

Section–A 2 each

- 1. (i) Write contribution of Louis Pasteur in Microbiology.
 - (ii) Write two uses of bacteria in agriculture.
 - (iii) What is Mesosome?

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- 8. Describe various physical methods of sterilization.
- 9. Describe methods of waste water treatment.
- 10. Describe viral replication.
- 11. Describe various antigen antibody reactions.