Total No. of Questions: 16] [Total No. of Printed Pages: 3

SEM-3023

M.Sc. (IIIrd Semester) Examination, 2022 MICROBIOLOGY

Paper - MBEO-304 (A)

(Immunology)

Time: 3 Hours] [Maximum Marks: 40

Section-A (Marks : $1 \times 10 = 10$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries 1 mark.

Section–B (Marks : $3 \times 5 = 15$)

Note: Answer five questions by selecting at least one question from each Unit (Answer limit 200 words). Each question carries 3 marks.

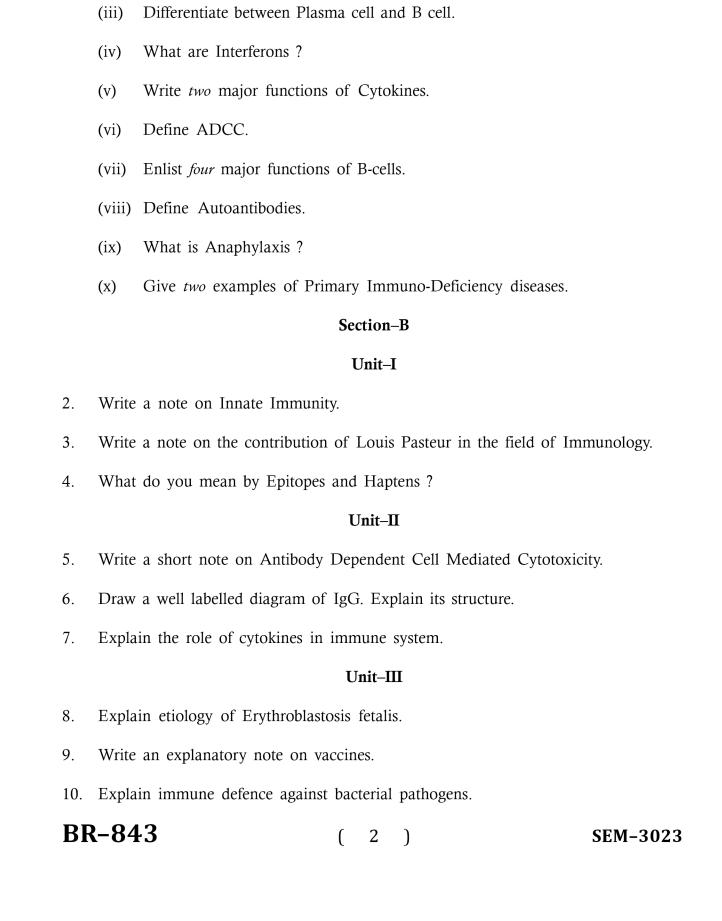
Section–C (Marks : $5 \times 3 = 15$)

Note: Answer three questions by selecting one question from each Unit (Answer limit 500 words). Each question carries 5 marks.

Section-A

- 1. (i) Define Immunogens.
 - (ii) Name four secondary Lymphoid Organs.

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Section-C

Unit-I

- 11. Write an explanatory note on Thymus and Lymph node.
- 12. What do you mean by Lymphocytes? Explain in detail.

Unit-II

- 13. What do you mean by Major Histocompatibility Complex? Write a note on MHC type II.
- 14. What is Complement ? Explain Classical Pathway of complement and its importance.

Unit-III

- 15. How is Asthma caused? Explain.
- 16. Write an essay on autoimmunity.

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