



K21U 0891

Reg. No. :

Name :

IV Semester B.Sc. Degree (CBCSS – Sup./Imp.) Examination, April 2021
(2014-'18 Admissions)

CORE COURSE IN MICROBIOLOGY

4 B05 MCB : Immunology

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

SECTION – A

(Answer **all** questions. **Each** question carries **1** mark.)

1. A carrier person who acquires a pathogen from another carrier is called _____.
2. In a human adult the site of haematopoiesis is _____.
3. The clonal selection theory of antibody production was proposed by _____.
4. In pernicious anaemia autoantibodies are produced against _____ . (4×1=4)

SECTION – B

(Answer **any seven** questions. **Each** question carries **2** marks.)

Comment on the following :

5. Differentiate septicaemia and bacteremia.
6. Haemagglutination.
7. Cardinal features of acute inflammation.
8. Heterophile antigens.
9. WIDAL test.
10. Immunological tolerance.

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11. Lymphoid follicles.
12. Allergens.
13. Major histocompatibility complex.
14. Nosocomial infections.

(7×2=14)

SECTION – C

(Write short notes on **any four** of the following. **Each** question carries **3** marks.)

15. Hybridoma technology.
16. Mechanism of phagocytosis and its role in immunity.
17. Radioimmunoassay.
18. Immune complex mediated hypersensitivity.
19. GVHD.
20. Immune response to tumours.

(4×3=12)

SECTION – D

(Write essays on **any two** of the following. **Each** question carries **5** marks.)

21. Discuss the structure and functions of organs of immune system.
22. Describe the structure and functions of human immunoglobulin isotypes.
23. Discuss the mechanisms of autoimmunity development. Write a note on rheumatoid arthritis.
24. Write a note on classification of antigens. Discuss the factors influencing immunogenicity of an antigen.

(2×5=10)
