

QP Code: 302019

Reg. No.....

Third Year B.Sc. Medical Microbiology Examinations October 2017

Immunology, Immunochemistry and Serology-I

Time: 3 Hours

Max. Marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay

(2x15=30)

1. Define immunity. Describe in detail about the properties and mediators of innate immunity.
2. Discuss in detail about the types of vaccines and passive immunoprophylaxis.

Short Essay

(2x10=20)

3. Mechanisms of microbial evasion of complement system.
4. Describe the principles and application of precipitation reactions.

Short Answers

(6x5=30)

5. Differences between endotoxins and exotoxins.
6. Factors of bacterial pathogenicity"
7. Types and application of monoclonal antibodies
8. Immunochromatographic test
9. Differences between MHC class I and MHC class II molecules and MHC restriction
10. Follicular dendritic cells.

Comment on

(10x2=20)

11. Reservoirs of infection
12. Heterophile antigens
13. Idiotypes
14. Prozone phenomena
15. Western blot
16. IgM
17. Complement deficiency diseases
18. Macrophages
19. Immunological tolerance
20. T lymphocytes.
