

2016 Scheme

QP Code: 412019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations February 2022

Paper XII – Immunology, Immunohistochemistry and Serology - II

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays

(2x15=30)

1. Define autoimmunity. Describe the mechanism, diseases spectrum and laboratory diagnosis of auto immune diseases.
2. Define histocompatibility antigen. Describe the factors involved in allograft survival and rejection.

Brief Essays

(2x10=20)

3. Discuss type IV hypersensitivity reaction in detail with examples.
4. How do you classify immunity against infectious diseases. Elaborate on active immunity.

Short Answers

(6x5=30)

5. Immunological surveillance.
6. Tumour antigens and its importance.
7. Blood transfusion reactions.
8. Rh -blood group system
9. Types of graft rejection.
10. Severe Combined immunodeficiencies.

Comment on

(10x2=20)

11. Graft versus host reaction.
12. Immunity to parasitic infections.
13. Antibody dependent cellular cytotoxicity.
14. Allergic rhinitis.
15. Mechanisms of CD4+ T cell depletions in AIDS.
16. Drugs used in Type I Hypersensitivity.
17. Laboratory diagnosis of paediatric HIV infection.
18. Enumerate diseases associated with generalised type III hypersensitivity reaction.
19. Chediak – Higashi syndrome
20. Immune evasion by tumour cells.
