

2016 Scheme

QP Code: 412019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Supplementary Examinations July 2024

Paper XII – Immunology, Immunochemistry 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. Discuss mechanism, types, components, mediators, detection and treatment of Type 1 hypersensitivity reactions
2. Discuss immunology of Acquired Immuno Deficiency Syndrome (AIDS). Describe screening tests and confirmatory tests for HIV detection

Brief Essays

(2x10=20)

3. Describe the laboratory diagnosis of autoimmune diseases
4. Classify transplants. Discuss the methods for the prevention of graft rejection

Short Answers

(6x5=30)

5. Antibody dependent cell mediated cytotoxicity
6. X linked agammaglobulinemia
7. Disorders of phagocytosis
8. Immunity to bacterial infections
9. Immune response in malignancy
10. Blood group systems

Comment on

(10x2=20)

11. Contact dermatitis
12. Molecular mimicry
13. Natural Killer cells
14. Prevention of Rh isoimmunisation
15. Severe combined immunodeficiency disease
16. Chronic Graft rejection
17. IgM antibody
18. Cytokine therapy for cancers
19. Immunological tolerance
20. Transfusion transmitted diseases
