

Sixth Semester B.Sc. Degree Examination, April/May 2019

(CBCS Semester Scheme)

Microbiology

Paper MBT 6.1 – IMMUNOLOGY AND MEDICAL MICROBIOLOGY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates :

1. *Answer ALL questions.*
2. *Draw labelled diagrams wherever necessary.*

PART – A

- I. Answer any **TEN** questions in 1 or 2 sentences : **(10 × 2 = 20)**
1. Adjuvants
 2. Monoclonal antibodies
 3. Precipitation
 4. Mast cell
 5. Immunological memory
 6. Tumor antigens
 7. Pathogenecity
 8. Cytotoxin
 9. H1N1
 10. Negribodies
 11. Antibiotic resistance
 12. Cycloheximide

Q.P. Code – 42643

II. Answer any **SIX** of the following :

(6 × 5 = 30)

13. Write a note on IqG.
14. Describe classical pathway of complement system.
15. Write a note on MHC.
16. Discuss microbial flora of human body.
17. Write a note on :
 - (a) Laboratory diagnosis of tuberculosis
 - (b) Symptoms of typhoid
18. Write a note on :
 - (a) AIDS
 - (b) Polio vaccine
19. Give a detailed account on filariasis.
20. Explain the mode of action of penicillin.

III. Answer any **FOUR** of the following.

(4 × 10 = 40)

21. Give an account of different types of immunity.
 22. Describe the different types of hypersensitivity reactions.
 23. Discuss cultural characters, pathogenesis, laboratory diagnosis, prophylaxis and chemotherapy of cholera.
 24. Explain the life cycle and pathogenesis of plasmodium.
 25. Give an account of streptomycin and tetracycline.
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