

QP CODE:202326

Reg.No:

Second Year Pharm D Degree Examinations - July 2015

Pharmaceutical Microbiology

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Describe the general features of antigen–antibody reactions. Explain the complement fixation test and agglutination test
2. Malaria – Elaborate on the life cycle, lab diagnosis and treatment
3. What are viruses. Discuss the replication of viruses. Add a note of growth of viruses in tissue culture

Short notes

(8x5=40)

4. Standardization of vaccines
5. Differential methods of staining
6. Evaluation of bactericidal and bacteriostatic activities
7. Western blot and its application
8. Principle of indole and citrate utilization tests
9. Maintenance of lab cultures
10. Toxoids
11. Chemical nature of antigens
