

QP CODE:202326

Reg.No:

Second Year Pharm D Degree Supplementary Examinations - March 2014

Pharmaceutical Microbiology

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Explain the principle and procedure involved in gram staining and acid fast staining with examples.
2. Describe phenol co-efficient tests. List out its merits and demerits.
3. Explain ELISA test and mention its applications

Short notes

(8x5=40)

4. Differentiate between haptens and antigens.
5. Discuss cultivation of virus.
6. Life cycle of malarial parasite.
7. Cold sterilization methods.
8. Enumerate various methods of isolation of pure culture and explain.
9. Explain the procedure for microbial assay of vitamin B₁₂
10. Compare endotoxins and exotoxins.
11. Mention the enriched and differential media with suitable examples
