

Third Year B.Pharm Degree Examinations - August 2015

PHARMACEUTICS III
(Pharmaceutical Microbiology and Biotechnology)
(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagram wherever necessary.

Essay

(3x10=30)

1. Discuss about evaluation test of disinfectants.
2. Explain about microbial assay of antibiotics.
3. Explain about antigen-antibody reaction in detail.

Short notes

(14x5=70)

4. Different types of microscopes for bacterial identification.
5. Conjugation process.
6. Application of rDNA technology.
7. Acid-fast staining.
8. Structure of bacteria.
9. Radiation sterilization.
10. Fermentor design.
11. Difference between prokaryotes and eukaryotes.
12. Difference between active and passive immunity.
13. Structure of Antibody.
14. Classification of viruses.
15. Mutation
16. Aerobic culture media.
17. Hypersensitivity reactions
