PHARMACEUTICS IV (Pharmaceutical Microbiology and Biotechnology) (2010 Scheme)

Time: 3 Hours

- Answer all Questions.
- Draw diagram wherever necessary.

Essay

- 1. Draw a neat labelled diagram of bacterial cell and explain in detail about flagella and spores.
- 2. Explain about various steps involved in monoclonal antibody technology.
- 3. List out various methods used for sterilization and explain in detail about autoclave.

Short notes

- 4. ELISA test
- 5. Classify bacterial culture media and explain about differential and selective media.
- 6. Principle and procedure involved in gram staining.
- 7. Cultivation of virus
- 8. Classify hypersensitivity reactions and explain about immediate type hypersensitivity reaction.
- 9. Transduction
- 10. Evaluation of disinfectants.
- 11. Test for sterility
- 12. Production of poliomyelitis vaccine
- 13. Differentiate cellular and humoral immunity
- 14. Radiation and filtration sterilization
- 15. Immunological tolerance
- 16. List out antigen antibody reactions and explain about agglutination.
- 17. Morphology and reproduction of fungi.

QP CODE: 301006 (old scheme)

Total Marks: 100

(14x5=70)

(3x10=30)

Reg.No: