



[LR 1220]

DECEMBER 2020

Sub. Code: 4266

(AUGUST 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

THIRD YEAR – (Regulation from 2009-2010)

PAPER VI – PHARMACEUTICAL BIOTECHNOLOGY

Q.P. Code: 564266

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Bacteria and explain in detail about structure and reproduction of Bacteria.
2. Describe the types of Immunity with examples and explain the types of antigen-antibody reactions.

II. Write notes on:

(8 x 5 = 40)

1. Explain in detail about Heat sterilization.
2. Discuss any two methods of evaluation of disinfectant.
3. Describe the Microbiological Assay of Antibiotics by diffusion method.
4. Explain Type I Hypersensitivity reactions.
5. Describe Southern blot technique.
6. Illustrate the production of Citric acid.
7. Explain the techniques of immobilization with examples.
8. Explain the reproduction method of yeast.

III. Short answers on:

(10 x 2 = 20)

1. Define Viral capsid.
2. What is Fumigation?
3. Give examples for sterilization by chemical agents.
4. Define Single cell proteins with examples.
5. What is Transcription?
6. Give examples for killed Bacterial Vaccine.
7. Define Biosensor with examples.
8. What is Interferon?
9. Define Cell line.
10. Define Biological indicators with examples.
