



(LJ 4266)

AUGUST 2016

Sub. Code: 4266

B.PHARM. EXAMINATION
(Common to Regulations 2004 – IV year candidates)
THIRD YEAR
PAPER VI - PHARMACEUTICAL BIOTECHNOLOGY
Q.P. Code: 564266

Time: Three hours

Maximum: 100 Marks

I. Essay: (2 x 20 = 40)

1. a) Describe the morphology and reproduction of Fungi with neat diagram.
b) Discuss various methods of immobilization.
2. Classify Toxin. Discuss preparation of Diphtheria Toxoi

II. Short notes: (8 x 5 = 40)

1. Differentiate between prokaryotic and eukaryotic.
2. Discuss radiation sterilization.
3. Bacterial conjugation.
4. Discuss Rideal walker test.
5. Transposable elements.
6. Discuss production of ethanol by fermentation metho
7. Bioprocess of Glutamic aci
8. Culture media used for animal cells.

III. Short answers: (10 x 2 = 20)

1. Give any two importance of aseptic technique.
2. Example of chemical method of sterilization.
3. What is DPT?
4. Examples of gram negative bacteria.
5. Types of hypersensitivity reaction.
6. Define cloning vecto
7. Define fermentation.
8. Classify immunoglobulin.
9. Give any two application of animal tissue culture.
10. Examples of viral vaccines.
