

Code: 9R01802

R09

B.Pharm IV Year II Semester (R09) Supplementary Examinations April 2017

PHARMACEUTICAL BIOTECHNOLOGY

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Discuss the methods involved in screening of industrially useful microbes.
- 2 Describe the selection of organism, fermentation process & purification of L-Glutamic acid.
- 3 Define biotransformation? Describe the design of biotransformation process.
- 4 Define hybridoma. Discuss the production of monoclonal antibodies through hybridoma technology. Add a note on advantages & disadvantages.
- 5 What are antitoxins? Write the preparation of Diphtheria antitoxin.
- 6 Discuss the factors affecting enzyme kinetics.
- 7 Write short notes on
 - (a) Dextran.
 - (b) Plasma protein fraction.
- 8 Describe human genome in detail..
