

Code: R7422305

**R7**

**B.Tech IV Year II Semester (R07) Advanced Supplementary Examinations June 2012**

**BIOPHARMACEUTICAL TECHNOLOGY**

(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

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- 1 Write a brief note on:
  - (a) Sources of drugs.
  - (b) Routs of drug administration.
- 2 Give an account on:
  - (a) Drug receptors.
  - (b) Physiological receptors.
- 3 Give the factors that affect the absorption of drugs.
- 4 Write about good manufacturing practices and manufacturing facilities.
- 5 Write a brief note on production and analysis of biopharmaceuticals.
- 6 Write a short note on:
  - (a) Cytokines.
  - (b) Interleukins.
- 7 Explain the role of biopharmaceuticals in treatment of various health disorders.
- 8 Write a brief note on:
  - (a) Liposome mediated drug delivery.
  - (b) Controlled and sustained delivery of drugs.

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