PY-602(CBCS)

Choice Based Grading System (CBGS)

Pharmaceutical Biotechnology

Time. The Hours Maximum Marks : 75

Note : Attempt any five questions, All Question carry equal marks.

1. Define enzyme immobilization. Discus methods of enzyme immobilization and their applications in detail. 15

2. Discuss principle, methodology and applications of 'r-DNA technology in pharmacy. 15

3. Explain in detail about production and applications of Hybridoma technology. 15

4. Define fermentation. Give methods and general requirements for fermentation process.

5. Discuss in detail about immunity and their types. Give structure of immunoglobulin. 15

6. Describe microbial biotransformation and its pharmas: applications. 15

7. Briefly explain blood products and plasma substitutes. 15

8. Write short notes on any three: 3x5=15

a) Biosensors b) Production of amylase c) ELISA d) Production of Insulin

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