http://www.rgpvonline.com

Total No. of Questions :8] *[Total No. of Printed Pages :2*

Roll No .....

PY-605 (CBGS)

B.Pharmacy VI Semester (Non-PCI Scheme)

Examination, May 2019

Choice Based Grading System (CBGS)

Pharmaceutical Biotechnology

Time : Three Hours

Maximum Marks : 75

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Define enzyme immobilization. Discuss 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. 15

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

http://www.rgpvonline.com

http://www.rgpvonline.com

6. Describe microbial biotransformation and its pharmaceutical applications. 15

7. Briefly explain blood products and plasma substitutes. 15

8. Write short notes on any three: 3×5=15
   a) Biosensors
   b) Production of amylase
   c) ELISA
   d) Production of Insulin

******

http://www.rgpvonline.com

http://www.rgpvonline.com

http://www.rgpvonline.com

http://www.rgpvonline.com