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Question Paper Code: 99D03

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Professional Elective

Biotechnology

19UBT903 - BIOPHARMACEUTICAL TECHNOLOGY

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10 x 2 = 20 Marks)

1. Define cost minimization analysis CO1- U
2. List down the significance of Pharmacoeconomics CO1- U
3. Antacids contain mostly bases in it. Justify statement CO2-App
4. The castor oil increases the osmotic pressure in the rectum. Write down its significance CO2-App
5. Write down the difference between Soft and Hard gelatin CO1- U
6. List some bioassays used in drug manufacturing CO1- U
7. Write down the barriers in drug delivery CO1- U
8. Brief controlled drug delivery CO1- U
9. Define contraceptives CO1- U
10. What is monoclonal antibodies CO1- U

PART – B (5 x 16= 80Marks)

11. (a) Write a detailed note on Pharmacoeconomics CO1 -U (16)
- Or
- (b) Write a detailed note on computer aided drug discovery and development CO1- U (16)

12. (a) Nandhini had headache and she took Ibuprofen an analgesic as medication. Now explain me how the drug would be absorbed and eliminated with all its kinetic parameters CO1- U (16)
- Or
- (b) Write a detailed note on pharmacodynamics of the drug. CO1- U (16)
13. (a) Write a detailed note on Good Manufacturing practices CO2-App (16)
- Or
- (b) SasiSanthiya was selected as technical advisor for antioxidant rich moisturizing cream production help her to explain in detail on topical formulations CO2-App (16)
14. (a) Elaborate a detailed note on controlled drug delivery systems CO2-App (16)
- Or
- (b) How does usage of nanoparticles in delivery system increase the efficiency of drug? Explain it in detail with examples CO2-App (16)
15. (a) Write a detailed note on monoclonal antibodies for cancer therapy CO1- U (16)
- Or
- (b) Explain the secretion, role of thyroid hormones and corticosteroids in detail CO1 -U (16)