

[Total No. of Questions - 15] [Total No. of Printed Pages - 2]
(2124)

1754

M. Pharmacy 1st Semester Examination

Biopharmaceutics

MP-112

Time : 3 Hours

Max. Marks : 90

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

SECTION - A

1. Discuss in detail about role of biopharmaceutics and pharmacokinetics in the NDA and ANDA submissions.

OR

2. Explain various disposition factors influencing drug activity.
(1×25=25)

SECTION - B

(Answer any three questions)

3. Discuss the recent research development in the ophthalmic drug delivery.
4. Write factors affecting drug biotransformation.
5. Explain principles and pathways of biotransformation.
6. Discuss the role of CSF in drug penetration into brain.
(3×10=30)

SECTION - C

(Answer any seven questions)

7. What is the significance of bioavailability?

[P.T.O.]

8. Describe therapeutic equivalence.
 9. Write a short note on parenteral route of drug administration.
 10. Write a short note on gut microbiota.
 11. What is difference between absolute and relative bioavailability?
 12. What are buccal patches?
 13. Define suppositories with relevant examples.
 14. Explain briefly about percutaneous drug absorption.
 15. Write a short note on in-vitro evaluation of drug dosage forms.
(7×5=35)
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