

10. With regard to clinical trials of new drugs, which of the following is most correct?
- a) Phase I involves the study of a small number of normal volunteers by highly trained clinical pharmacologists
 - b) Phase II involves the use of the new drug in a large number of patients (100-5000) who have the disease to be treated
 - c) Phase III involves the determination of the drug's therapeutic index by the cautious induction of toxicity
 - d) Chemical antagonist

PART -B

ANSWER ALL THE QUESTIONS

(5*7=35)

11. a) Explain the concept of bioavailability of drugs.

(OR)

b) Write a short note on synergism and antagonism.

12. a) How drug is distributed in the body?

(OR)

b) What are the factors influencing drug absorption?

13. a) Explain the concept of drug receptor interaction.

(OR)

b) Write a short note on placebo effect.

14. a) Write a short note on acute poisoning.

(OR)

b) Give a short note on drug tolerance and drug intolerance

15. a) How random screening is done during drug discovery?

(OR)

b) What are the rational approaches in drug designing?

PART - C

ANSWER ANY THREE QUESTIONS

(3*10=30)

16. Write in detail about the routes of drug administration

17. Explain the concept of drug elimination.

18. What are the phase I metabolic reactions?

19. Drugs has adverse effects. Discuss.

20. Outline the concept of drug development.