

National Board of Examinations

Question Paper Name : DNB Pharmacology Paper1

Is this Group for Examiner? : No

Enable Mark as Answered Mark for Review and Clear Response : Yes

Question Number : 1 Question Type : SUBJECTIVE

Write what are drug interactions? Discuss different types of drug interactions. Give examples of useful and harmful drug interactions. [2+4+4]

Question Number : 2 Question Type : SUBJECTIVE

Write the cellular signaling pathways involved in drug action. Discuss the role of cellular signaling pathways in drug development and use. [4+3+3]

Question Number : 3 Question Type : SUBJECTIVE

What is First pass metabolism? Write the sites of first pass metabolism. Discuss its clinical significance giving suitable examples. [2+2+6]

Question Number : 4 Question Type : SUBJECTIVE

Define bioavailability of a drug. What are the pharmacokinetic parameters required for measuring bioavailability of a drug? Write the factors which can affect bioavailability of a drug? How can knowledge of bioavailability of a drug be used to improve patient therapy? [2+3+3+2]

Question Number : 5 Question Type : SUBJECTIVE

Define plasma half life of a drug. Discuss its clinical significance. What are the determinants of

plasma half life of a drug? [2+4+4]

Question Number : 6 Question Type : SUBJECTIVE

Define pharmacovigilance. Does pharmacovigilance have any role in improving patient treatment outcomes? Discuss giving suitable examples in support of your answer. [2+2+6]

Question Number : 7 Question Type : SUBJECTIVE

Define a drug formulation. Classify drug formulations. Discuss the role of various components of a drug formulation in drug therapy. [2+3+5]

Question Number : 8 Question Type : SUBJECTIVE

Discuss the dose response relationship. What pharmacological, clinically relevant information can be obtained from a dose response curve? Compare a dose response curve with a log dose response curve. [2+4+4]

Question Number : 9 Question Type : SUBJECTIVE

Discuss the role of structure activity relationship in drug development and use. [10]

Question Number : 10 Question Type : SUBJECTIVE

What is personalized medicine? Discuss the role of Pharmacology in delivering personalized medicine. [2+8]