

National Board of Examinations

Question Paper Name : DNB Pharmacology Paper1
Subject Name : DNB Pharmacology Paper1
Duration : 182
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0
Is Section Default? : No

Question Number : 1 Question Id : 32718744195 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
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Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. What are different types of receptors for drug action? Describe nuclear receptors with examples. [4+6]

Question Number : 2 Question Id : 32718744196 Consider As Subjective : Yes

Describe the different membrane transporters involved in neuronal reuptake of the neurotransmitters and drugs affecting their regulation in brain. [5+5]

Question Number : 3 Question Id : 32718744197 Consider As Subjective : Yes

Describe the importance of the following in pharmacotherapy with suitable examples:

- a) Tachyphylaxis and tolerance. [5]
- b) Cytochrome polymorphism. [5]

Question Number : 4 Question Id : 32718744198 Consider As Subjective : Yes

What is a signal in pharmacovigilance? Describe the various approaches to signal detection & discuss signal management. [2+(4+4)]

Question Number : 5 Question Id : 32718744199 Consider As Subjective : Yes

Define medication adherence. Discuss the factors influencing patient's adherence to medication. How to assess and improve medication adherence in patients? [2+3+5]

Question Number : 6 Question Id : 32718744200 Consider As Subjective : Yes

What are the intellectual property rights (IPR) and patents? Discuss IPR issues in drug development. [4+6]

Question Number : 7 Question Id : 32718744201 Consider As Subjective : Yes

What is 'Bioenhancer'? Describe factors affecting drug absorption with suitable examples. [3+7]

Question Number : 8 Question Id : 32718744202 Consider As Subjective : Yes

Describe the factors modifying the pharmacokinetics and pharmacodynamics of the drug in a pregnant woman. Discuss teratogenicity with suitable examples. [5+5]

Question Number : 9 Question Id : 32718744203 Consider As Subjective : Yes

What is therapeutic drug monitoring (TDM)? Describe the utility and limitations of TDM in a hospital setting. [3+(4+3)]

Question Number : 10 Question Id : 32718744204 Consider As Subjective : Yes

What is good laboratory practice (GLP)? Describe OECD principles of GLP in reference to pharmaceutical drug development. [3+7]