

National Board of Examinations

Question Paper Name :	DNB Pharmacology Paper1
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DNB Pharmacology Paper1

Group Number :	1
Group Id :	327187668
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Pharmacology Paper1

Section Id :	327187671
Section Number :	1
Section type :	Offline

Mandatory or Optional : Mandatory

Number of Questions to be attempted : 10

Section Marks : 100

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

Maximum Instruction Time : 0

Sub-Section Number : 1

Sub-Section Id : 327187675

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718720702 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

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
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Explain plateau principle by plotting a graph? How the steady state of drugs is achieved and give suitable examples. Discuss its clinical importance. [3+5+2]

Question Number : 2 Question Id : 32718720703 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is dose-response relationship of a drug? Describe the differences between dose-response curve and log dose-response curve by plotting suitable graphs? Describe drug potency and drug efficacy with examples? [3+4+3]

Question Number : 3 Question Id : 32718720704 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is an inverse agonist? Describe its clinical significance with suitable examples. [4+6]

Question Number : 4 Question Id : 32718720705 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Enumerate the factors affecting biotransformation of drugs. Discuss their role and impact on patient outcomes with suitable examples. [4+6]

Question Number : 5 Question Id : 32718720706 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Define evidence based medicine (EBM). What are the principles of EBM? Briefly discuss the five steps of EBM model. [2+4+4]

Question Number : 6 Question Id : 32718720707 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Briefly describe with suitable examples:

a) Fixed dose drug combinations. [5]

b) Drug antagonism. [5]

Question Number : 7 Question Id : 32718720708 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is targeted drug delivery system? Describe the properties of ideal targeted drug delivery. Mention the different strategies of drug targeting. [2+4+4]

Question Number : 8 Question Id : 32718720709 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is drug receptor? Describe the various types of receptors with their distribution/location(s) in the body and mention one agonist and antagonist of each receptor. [2+8]

Question Number : 9 Question Id : 32718720710 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Define adverse drug reaction. Discuss the types of adverse drug reactions with suitable examples. What is their importance in drug development? [1+2+2]

b) Discuss about clinical significance of plasma protein binding of a drug with suitable examples. [5]

Question Number : 10 Question Id : 32718720711 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) ABC transporters. [5]

b) Cytochrome polymorphism. [5]