

National Board of Examinations

Question Paper Name :	DNB Pharmacology Paper1
Subject Name :	DNB Pharmacology Paper1
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Actual Answer Key :	No

DNB Pharmacology Paper1

Group Number :	1
Group Id :	3271872024
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 :	3271872027
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 :	3271872031
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718726623 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. Define drug antagonism. Describe various types of drug antagonism with suitable examples. Briefly discuss the methods for determination of drug antagonism? [2+4+4]

Question Number : 2 Question Id : 32718726624 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 repurposing? Discuss the approaches for drug repurposing with suitable examples. [2+8]

Question Number : 3 Question Id : 32718726625 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Describe the role of artificial intelligence in drug discovery and drug development. [10]

Question Number : 4 Question Id : 32718726626 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 metabolomics. What are the analytical techniques used in metabolome profiling? Discuss the applications of metabolomic profiling. [2+4+4]

Question Number : 5 Question Id : 32718726627 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 clearance? Briefly discuss types of elimination kinetics with examples. [2+8]

Question Number : 6 Question Id : 32718726628 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 are the roles and responsibilities of data and safety monitoring board (DSMB)? Discuss in brief the various meeting formats of DSMB. [7+3]

Question Number : 7 Question Id : 32718726629 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Give an account of Phase-1 clinical trials. Briefly discuss the designs in Phase 1 clinical trial of an

antiepileptic drugs. [4+6]

Question Number : 8 Question Id : 32718726630 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 discuss the principles for prescribing drugs in patients with renal and hepatic dysfunction. [5+5]

Question Number : 9 Question Id : 32718726631 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 pharmacoeconomics. Describe the various methods for pharmacoeconomic analysis with examples. [2+8]

Question Number : 10 Question Id : 32718726632 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Describe various newer drug delivery systems. Give an account of insulin pumps. [6+4]