National Board of Examinations

Question Paper Name :	DNB Pharmacology Paper3
Subject Name :	DNB Pharmacology Paper3
Creation Date :	2023-10-15 15:59:00
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Pharmacology Paper3

Group Number :	1
Group Id :	3271872576
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 Paper3

Section Id :	3271872579
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 :	3271872583
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718726233 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. Write the procedure to carry out acute toxicity studies. [10]

Question Number : 2 Question Id : 32718726234 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 confidence intervals? How confidence intervals are useful in calculating equivalence in clinical trials.[5+5]

Question Number : 3 Question Id : 32718726235 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Discuss the pre-clinical screening methods for a new molecule likely to be useful in dyslipidaemia. [10]

Question Number : 4 Question Id : 32718726236 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the preclinical screening methods for a new molecule likely to be useful in the treatment of acute pain. [10]

Question Number : 5 Question Id : 32718726237 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 criteria for a substance to be considered as a central neurotransmitter. Discuss the steps involved in the synthesis, store, release and metabolism of acetylcholine. [5+5]

Question Number : 6 Question Id : 32718726238 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 sampling error and its impact on drug screening program? Enumerate methods to reduce sampling errors during preclinical phase of drug development. [5+5]

Question Number : 7 Question Id : 32718726239 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 principles of 4 R's? Discuss the status of in-vitro screening methods as an adjuvant or alternative to the animal experiments in the drug development with suitable examples. [5+5]

Question Number : 8 Question Id : 32718726240 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Write the working principle of ELISA technique. Write a brief note on sandwitch ELISA. [5+5]

Question Number : 9 Question Id : 32718726241 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 methods to quantify drug antagonism. Write formula and precautions used in calculating dose-ratio. [5+5]

Question Number : 10 Question Id : 32718726242 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 normal distribution? What are the prerequisites for applying parametric tests? [5+5]