

National Board of Examinations

Question Paper Name :	DNB Pharmacology Paper3
Subject Name :	DNB Pharmacology Paper3
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Pharmacology Paper3

Group Number :	1
Group Id :	327187670
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 :	327187673
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 :	327187677
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 3271875782 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

1. What are cell line studies? Discuss their advantages and limitations. [4+(3+3)]

Question Number : 2 Question Id : 3271875783 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) Cumulative dose response curve. [5]
- b) Transgenic animals in research. [5]

Question Number : 3 Question Id : 3271875784 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 preclinical screening methods for evaluation of an analgesic agent. [10]

Question Number : 4 Question Id : 3271875785 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) Schild Plot. [5]
- b) Preclinical evaluation of anti-anxiety drugs. [5]

Question Number : 5 Question Id : 3271875786 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 aims, methods and limitations of acute toxicity studies on animals. [3+4+3]

Question Number : 6 Question Id : 3271875787 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) Therapeutic exploratory and confirmatory clinical trials. [5]
- b) Interpretation of Gaussian curve. [5]

Question Number : 7 Question Id : 3271875788 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 linear regression. Discuss giving examples the types and utility of linear regression in research. [3+(2+5)]

Question Number : 8 Question Id : 3271875789 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 contribution of animal experimentation in biomedical science research till date. Write the limitations of animal experimentation. [6+4]

Question Number : 9 Question Id : 3271875790 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) Arithmetic and Geometric means. [5]
- b) Coefficient of variation. [5]

Question Number : 10 Question Id : 3271875791 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 what is a drug assay. Enumerate and discuss the types of drug assay giving suitable examples. [2+(2+ 6)]