

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Pharmacology Paper1
<b>Subject Name :</b>	DNB Pharmacology Paper1
<b>Creation Date :</b>	2023-10-15 14:12:05
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Pharmacology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872574
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DNB Pharmacology Paper1

<b>Section Id :</b>	3271872577
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872581
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718726213 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. Describe the role of membrane transporters in mediating adverse drug responses with suitable examples. [10]

**Question Number : 2 Question Id : 32718726214 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 molecular mechanisms and clinical implications of the phenomena of tolerance. [10]

**Question Number : 3 Question Id : 32718726215 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 attributes of a surrogate marker? Write advantages and limitations, with examples of using surrogate markers as efficacy end points. [5+(3+2)]

**Question Number : 4 Question Id : 32718726216 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 generic medicines? Discuss the methods to establish their efficacy with regard to branded counterparts. [2+8]

**Question Number : 5 Question Id : 32718726217 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 factors contributing in the variation of drug metabolism with suitable examples of each. [10]

**Question Number : 6 Question Id : 32718726218 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 therapeutic drug monitoring? Discuss the best practices for therapeutic drug monitoring in neuropsychopharmacology. [3+7]

**Question Number : 7 Question Id : 32718726219 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 transdermal drug delivery? Discuss its advantages and disadvantages with suitable examples. [4+6]

**Question Number : 8 Question Id : 32718726220 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 impact of blood solubility of anaesthetic gases on the onset, duration and extent of their action with suitable examples. [10]

**Question Number : 9 Question Id : 32718726221 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 various signaling mechanisms of G protein coupled receptors? Briefly discuss the drugs modifying adenylyl cyclase. [5+5]

**Question Number : 10 Question Id : 32718726222 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 the therapeutic index? Discuss the clinical significance of number - needed to treat (NNT). [10]