

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Pharmacology Paper2
<b>Subject Name :</b>	DNB Pharmacology Paper2
<b>Creation Date :</b>	2024-05-16 18:57:00
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Pharmacology Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872025
<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 Paper2

<b>Section Id :</b>	3271872028
<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>	3271872032
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718719892 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. Outline the principles of gene therapy. Give examples of approved gene therapies. What are the major challenges for using gene therapy? [4+3+3]

**Question Number : 2 Question Id : 32718719893 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 pharmacotherapy of acute myocardial infarction. What is the therapeutic status, drug drug interactions and adverse effects of clopidogrel in the management of myocardial infarction? [5+2+2+1]

**Question Number : 3 Question Id : 32718719894 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 guidelines for treatment of P. falciparum malaria in India? [10]

**Question Number : 4 Question Id : 32718719895 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 types of glutamate receptors. Discuss the drugs acting on these receptors with their therapeutic potential. [5+3+2]

**Question Number : 5 Question Id : 32718719896 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 key differences between monoclonal antibodies and small molecule kinase inhibitors? Discuss the drugs targeting growth factor receptor signaling in neoplastic diseases. [3+7]

**Question Number : 6 Question Id : 32718719897 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 potassium channels and discuss their modulators. [4+6]

**Question Number : 7 Question Id : 32718719898 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 neurosteroids and their therapeutic implications. [5+5]

**Question Number : 8 Question Id : 32718719899 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Outline the calcium regulation mechanisms in the human body. Discuss the mechanism of action and rationale for the use of vitamin D in the treatment of osteoporosis. [3+3+4]

**Question Number : 9 Question Id : 32718719900 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 pharmacotherapy of COVID-19. Describe the vaccines developed for SARS-COV2. [5+5]

**Question Number : 10 Question Id : 32718719901 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 oral contraceptives. Describe the regimes for emergency contraception. Discuss the therapeutic status of centchroman as a contraceptive agent? [3+3+4]