

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Pharmacology Paper4
<b>Subject Name :</b>	DNB Pharmacology Paper4
<b>Creation Date :</b>	2023-04-27 21:17:36
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Pharmacology Paper4

<b>Group Number :</b>	1
<b>Group Id :</b>	327187671
<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 Paper4

<b>Section Id :</b>	327187674
<b>Section Number :</b>	1
<b>Section type :</b>	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 :** 327187678

**Question Shuffling Allowed :** No

**Is Section Default? :** null

**Question Number : 1 Question Id : 3271875792 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. a) Define pharmacoinformatics & discuss its applications. [5]
- b) Microdosing strategy in clinical trials. [5]

**Question Number : 2 Question Id : 3271875793 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 recent advances in the management of cardiovascular diseases. [10]

**Question Number : 3 Question Id : 3271875794 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 role of pharmacovigilance in patient safety. Write your opinion on the impact of the pharmacovigilance program of India on patient safety. [7+3]

**Question Number : 4 Question Id : 3271875795 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) Repurposing of drugs. [5]
- b) Drugs affecting tumour angiogenesis. [5]

**Question Number : 5 Question Id : 3271875796 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 counterfeit spurious medicines. Discuss the strategies to mitigate spurious drugs. Give your view-point on the trade of fake medicines at the time of Covid-19 pandemic. [2+5+3]

**Question Number : 6 Question Id : 3271875797 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) Cosmetovigilance. [5]
- b) Publication ethics. [5]

**Question Number : 7 Question Id : 3271875798 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 diagnostic and therapeutic role of monoclonal antibodies in cancer treatment. [5+5]

**Question Number : 8 Question Id : 3271875799 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 role of artificial intelligence in pharmacotherapeutics, specifically:

- a) Clinical Medicine. [5]
- b) Research. [5]

**Question Number : 9 Question Id : 3271875800 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) Intellectual property rights in drug development. [5]
- b) Cytokines as drug target. [5]

**Question Number : 10 Question Id : 3271875801 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 'Off label' use of drugs? Discuss the ethical issues and regulation of 'Off label' use of drugs in India. [3+(4+3)]