

National Board of Examinations

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| Question Paper Name : | DNB Pharmacology Paper1 |
| Subject Name : | DNB Pharmacology Paper1 |
| Creation Date : | 2022-06-25 17:18:41 |
| Duration : | 180 |
| Share Answer Key With Delivery Engine : | No |
| Actual Answer Key : | No |

DNB Pharmacology Paper1

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| Group Number : | 1 |
| Group Id : | 3271871161 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Break time : | 0 |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |
| Examiner permission : | Cant View |
| Show Progress Bar? : | No |

DNB Pharmacology Paper1

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|-------------------------|------------|
| Section Id : | 3271871164 |
| 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 : 3271871168
Question Shuffling Allowed : No

Question Number : 1 Question Id : 32718710662 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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. Pharmacokinetic and Pharmacodynamic(PK-PD) Modelling in Drug Development. [10]

Question Number : 2 Question Id : 32718710663 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Therapeutic Drug Monitoring and its relevance in clinical practice. [10]

Question Number : 3 Question Id : 32718710664 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss the role and importance of spontaneous pharmacovigilance system in developing

countries. [10]

Question Number : 4 Question Id : 32718710665 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Write about prescribing medicine for special populations such as children, pregnant women and geriatric populations. [10]

Question Number : 5 Question Id : 32718710666 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe clinical significance of Chrono-pharmacology with examples. [10]

Question Number : 6 Question Id : 32718710667 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is first order and zero order kinetics? Discuss their clinical significance with relevant examples. [5+5]

Question Number : 7 Question Id : 32718710668 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Write about enzyme inducers and enzyme inhibitors. Describe their clinical importance with suitable examples. [5+5]

Question Number : 8 Question Id : 32718710669 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe medication errors and patient's safety. Enumerate different systems to prevent medication error in a tertiary care hospital. [5+5]

Question Number : 9 Question Id : 32718710670 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is volume of distribution? Write its clinical significance. Discuss the factors which can affect volume of distribution with examples. [3+3+4]

Question Number : 10 Question Id : 32718710671 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Explain Bio-availability and Bioequivalence with suitable graph. How are bioequivalence studies carried out? [6+4]