National Board of Examinations

Question Paper Name :	DNB Pharmacology Paper4
Subject Name :	DNB Pharmacology Paper4

Duration: 180
Total Marks: 100
Display Marks: No

Maximum Instruction Time: 0

Question Number: 1 Question Id: 32718733044 Consider As Subjective: Yes

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 recent advances in the treatment of neoplastic diseases. [10]

Question Number: 2 Question Id: 32718733045 Consider As Subjective: Yes

Describe briefly future of drugs and the microbiome. [10]

Question Number: 3 Question Id: 32718733046 Consider As Subjective: Yes

What are various confounding factors in clinical trials? Briefly discuss the double-blind design. [10]

Question Number: 4 Question Id: 32718733047 Consider As Subjective: Yes

Discuss briefly the ethical considerations for clinical trials on vulnerable population with special reference to the Indian population. [10]

Question Number: 5 Question Id: 32718733048 Consider As Subjective: Yes Discuss treatment options and recent development for treatment of infertility. [10]

Question Number: 6 Question Id: 32718733049 Consider As Subjective: Yes

What are the pros and cons of combining probiotics with antibiotic therapy? Discuss briefly the rationality/irrationality of the combinations available in the Indian market. [10]

Question Number: 7 Question Id: 32718733050 Consider As Subjective: Yes

Discuss the materiovigilance programme of India (MvPI) with suitable examples. [10]

Question Number: 8 Question Id: 32718733051 Consider As Subjective: Yes

Discuss the concept of organization of economic corporation, development guidelines and pre-clinical toxicity studies. [10]

Question Number: 9 Question Id: 32718733052 Consider As Subjective: Yes

Discuss the role of miRNA and siRNA in therapeutics. [10]

Question Number: 10 Question Id: 32718733053 Consider As Subjective: Yes

- a) Nonadditive drugs of abuse. [5]
- b) Drugs that bind to transporters of biogenic amines. [5]