

National Board of Examinations

Question Paper Name : DNB Microbiology Paper4
Subject Name : DNB Microbiology Paper4
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718732764 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. Discuss next generation sequencing (NGS) under principles and prospects in microbiology. [5+5]

Question Number : 2 Question Id : 32718732765 Consider As Subjective : Yes

Machine learning versus artificial intelligence and role in microbiology. [10]

Question Number : 3 Question Id : 32718732766 Consider As Subjective : Yes

Write briefly about post exposure prophylaxis against blood borne viral infections. [10]

Question Number : 4 Question Id : 32718732767 Consider As Subjective : Yes

Write briefly about novel alternatives to antibiotics. [10]

Question Number : 5 Question Id : 32718732768 Consider As Subjective : Yes

Write briefly about reverse vaccinology. [10]

Question Number : 6 Question Id : 32718732769 Consider As Subjective : Yes

Role of biomarkers in guiding antimicrobial therapy. [10]

Question Number : 7 Question Id : 32718732770 Consider As Subjective : Yes

Point of care tests for sexually transmitted infections. [10]

Question Number : 8 Question Id : 32718732771 Consider As Subjective : Yes

Newer recombinant vaccines. [10]

Question Number : 9 Question Id : 32718732772 Consider As Subjective : Yes

Methods of storage and preservations in bacteria. [10]

Question Number : 10 Question Id : 32718732773 Consider As Subjective : Yes

Viral oncogenicity. [10]