

National Board of Examinations

Question Paper Name : DNB Microbiology Paper1
Subject Name : DNB Microbiology Paper1
Duration : 182
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0
Is Section Default? : No

Question Number : 1 Question Id : 32718744096 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 the germ theory of disease and Koch's postulates. [10]

Question Number : 2 Question Id : 32718744097 Consider As Subjective : Yes

What are the different phases of clinical trials and what is the main objective of each? [10]

Question Number : 3 Question Id : 32718744098 Consider As Subjective : Yes

Discuss diagnostic parameters to evaluate a diagnostic kit. [10]

Question Number : 4 Question Id : 32718744099 Consider As Subjective : Yes

Discuss the terminal disposal of sharps generated by hospitals. [10]

Question Number : 5 Question Id : 32718744100 Consider As Subjective : Yes

Explain the role of barcoding and GPS tracking for BMW bags as mandated by CPCB. How does this apply to a hospital-based molecular microbiology lab? [5+5]

Question Number : 6 Question Id : 32718744101 Consider As Subjective : Yes

Discuss in brief about genetic transformation in bacteria. [10]

Question Number : 7 Question Id : 32718744102 Consider As Subjective : Yes

Discuss the treatment of carbapenem-resistant enterobacterales. [10]

Question Number : 8 Question Id : 32718744103 Consider As Subjective : Yes

Write a short note on digital droplet PCR. [10]

Question Number : 9 Question Id : 32718744104 Consider As Subjective : Yes

Discuss the basic principle and usage of LAMP method for the diagnosis of infections. [10]

Question Number : 10 Question Id : 32718744105 Consider As Subjective : Yes

What is the basic principle and use of BLAST search in microbiology? [10]