

National Board of Examinations

Question Paper Name :	DNB Microbiology Paper4
Subject Name :	DNB Microbiology Paper4
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Microbiology Paper4

Group Number :	1
Group Id :	3271871974
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Microbiology Paper4

Section Id :	3271871977
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 :	3271871981
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718719352 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. Describe genotypic methods for detection of antimicrobial resistance. [10]

Question Number : 2 Question Id : 32718719353 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Write briefly on Syndrome based diagnosis of infectious diseases. [10]

Question Number : 3 Question Id : 32718719354 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Differentiate between Minimum Inhibitory Concentration (MIC) and Minimum Bactericidal Concentration (MBC). Describe various methods of determining MIC and MBC in laboratory with advantages and limitations of each method. [4+6]

Question Number : 4 Question Id : 32718719355 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 biomedical waste. Describe the on-site treatment of biomedical waste in microbiology laboratories. [3+7]

Question Number : 5 Question Id : 32718719356 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 measures used in control of vector borne diseases in India. [10]

Question Number : 6 Question Id : 32718719357 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 are m-RNA vaccines? Describe their significance in disease control. [6+4]

Question Number : 7 Question Id : 32718719358 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 bioterrorism. Describe various agents that can be implicated in bioterrorism. [3+7]

Question Number : 8 Question Id : 32718719359 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 role of clinical microbiologist in pre-analytical, analytical and post-analytical diagnostic pathways. [10]

Question Number : 9 Question Id : 32718719360 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Enumerate newer methods available for sterilization of devices. Describe their principle, use and applications. [3+7]

Question Number : 10 Question Id : 32718719361 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Write briefly on standard precautions. [10]