

National Board of Examinations

Question Paper Name :	DNB Microbiology Paper1
Subject Name :	DNB Microbiology Paper1
Creation Date :	2024-10-17 16:12:18
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Share Answer Key With Delivery Engine :	No
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DNB Microbiology Paper1

Group Number :	1
Group Id :	3271872830
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DNB Microbiology Paper1

Section Id :	3271872833
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872837
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718734284 Question Type : SUBJECTIVE Consider As Subjective : Yes

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. Write briefly about the cell wall appendages in the bacterial cell. Describe bacterial cell wall with the help of diagram in both Gram positive and Gram negative bacteria. [5+5]

Question Number : 2 Question Id : 32718734285 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe various gene editing techniques and describe any one of these techniques briefly. [5+5].

Question Number : 3 Question Id : 32718734286 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write a short note on Microarray technology and its application in microbiology. [5+5]

Question Number : 4 Question Id : 32718734287 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Classify various Immunodeficiency disorders. Describe in details the disorders of deficiency in phagocytosis. [5+5]

Question Number : 5 Question Id : 32718734288 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write a short note on diagnostic stewardship. Explain its importance and describe the different phases involved in its implementation. [5+5]

Question Number : 6 Question Id : 32718734289 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define bioterrorism and categorize various bioterrorism agents. Describe various attributes of bioterrorism agents. [6+4]

Question Number : 7 Question Id : 32718734290 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

How will you setup CSSD in a new hospital? Write short note on various quality checks used in CSSD. [5+5]

Question Number : 8 Question Id : 32718734291 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define and describe Carbapenem Resistant Enterobacteriaceae (CRE). Discuss briefly their mechanism and detection. [6+4]

Question Number : 9 Question Id : 32718734292 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write a brief overview on preservation of bacterial cultures. [10]

Question Number : 10 Question Id : 32718734293 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write a short note on plagiarism. How it can be avoided? What are the various methods available to check it? [4+2+4]