

National Board of Examinations

Question Paper Name :	DNB Microbiology Paper1
Subject Name :	DNB Microbiology Paper1
Creation Date :	2022-12-22 22:33:40
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Microbiology Paper1

Group Number :	1
Group Id :	3271871415
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 Paper1

Section Id :	3271871418
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 :	3271871422
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718713232 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. What is a liquid waste? Discuss briefly about liquid waste management in health care facility.
[3+7]

Question Number : 2 Question Id : 32718713233 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 is genetic mutation? Enumerate various genetic mutations responsible for drug resistance in tuberculosis. [4+6]

Question Number : 3 Question Id : 32718713234 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Toll like receptor. [5]
- b) Role of macrophages in Cell mediated immunity. [5]

Question Number : 4 Question Id : 32718713235 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 Ventilator associate pneumonia (VAP). Discuss methods of diagnosis and prevention of VAP. [2+4+4]

Question Number : 5 Question Id : 32718713236 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Detection methods of metallo betalactamase. [5]
- b) Cumulative antibiogram. [5]

Question Number : 6 Question Id : 32718713237 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 principle and application of flowcytometry in clinical microbiology. [5+5]

Question Number : 7 Question Id : 32718713238 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Molecular mimicry in bacterial disease. [5]
- b) Pathogenicity island. [5]

Question Number : 8 Question Id : 32718713239 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Super antigen. [5]
- b) Complement receptor. [5]

Question Number : 9 Question Id : 32718713240 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 is the definition of break point and Minimum inhibitory concentration (MIC)? Discuss role of MIC based methods in clinical microbiology. [2+2+6]

Question Number : 10 Question Id : 32718713241 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 is sterilization? Discuss the principle and advantage of plasma pyrolysis. [2+4+4]