

National Board of Examinations

Question Paper Name :	DNB Microbiology Paper4
Subject Name :	DNB Microbiology Paper4
Creation Date :	2024-10-21 16:15:45
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Share Answer Key With Delivery Engine :	No
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DNB Microbiology Paper4

Group Number :	1
Group Id :	3271872833
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DNB Microbiology Paper4

Section Id :	3271872836
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 :	3271872840
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718729614 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. Discuss current status of HIV vaccines. [10]

Question Number : 2 Question Id : 32718729615 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write briefly about the evolution of COVID-19 virus. Discuss the current status of COVID-19 vaccines. [5+5]

Question Number : 3 Question Id : 32718729616 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Discuss in detail the role of immunofluorescence in diagnosis of various infectious and autoimmune disorders. [5+5]

Question Number : 4 Question Id : 32718729617 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write detailed description of various techniques used for air culture in hospital setting and their application in air surveillance at different levels. [5+5]

Question Number : 5 Question Id : 32718729618 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define and describe the surveillance of ventilator associated pneumonia (VAP). What is a care bundle and how it can be used with reference to control of VAP? [5+5]

Question Number : 6 Question Id : 32718729619 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the role of various nanoparticles in treatment of multiple drug resistant organisms including fungi. [5+5]

Question Number : 7 Question Id : 32718729620 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Discuss artificial intelligence and its role in clinical microbiology. [5+5]

Question Number : 8 Question Id : 32718729621 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Nude mice. [5]
- b) Advantages of using zebra fish as experimental model. [5]

Question Number : 9 Question Id : 32718729622 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Write in detail about quality assurance in Microbiology lab. What are Levy Jenning charts and how are they used in Microbiology settings? [5+5]

Question Number : 10 Question Id : 32718729623 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe bacteriophage typing and its applications. [5+5]