

National Board of Examinations

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| Question Paper Name : | DNB Microbiology Paper4 |
| Subject Name : | DNB Microbiology Paper4 |
| Creation Date : | 2022-12-26 16:39:17 |
| Duration : | 180 |
| Share Answer Key With Delivery Engine : | No |
| Actual Answer Key : | No |

DNB Microbiology Paper4

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| Group Number : | 1 |
| Group Id : | 3271871418 |
| 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

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| Section Id : | 3271871421 |
| Section Number : | 1 |
| Section type : | Offline |

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|---|------------|
| 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 : | 3271871425 |
| Question Shuffling Allowed : | No |
| Is Section Default? : | null |

Question Number : 1 Question Id : 32718713262 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 are the objectives of National action plan on antimicrobial resistance? Discuss role of Microbiologist in AMR Containment. [4+6]

Question Number : 2 Question Id : 32718713263 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the recent advances in viral hepatitis testing. [10]

Question Number : 3 Question Id : 32718713264 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Role of genomic surveillance in combating infectious diseases. [10]

Question Number : 4 Question Id : 32718713265 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Point of care testing in diagnostic microbiology. [10]

Question Number : 5 Question Id : 32718713266 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Antimicrobial susceptibility testing of medically important parasites. [10]

Question Number : 6 Question Id : 32718713267 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 principle of biofire film array? Discuss its utility in diagnosing community acquired pneumonia. [2+8]

Question Number : 7 Question Id : 32718713268 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 point of care (POC) tests? Enumerate various POC tests used in clinical microbiology and their advantages over the traditional laboratory tests. [2+(5+3)]

Question Number : 8 Question Id : 32718713269 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 AwaRe classification of antibiotics? Discuss its importance in antibiotic stewardship programme. [6+4]

Question Number : 9 Question Id : 32718713270 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the guidelines for handling and disposal of waste generated during treatment, diagnosis and quarantine of COVID-19 patients. [4+3+3]

Question Number : 10 Question Id : 32718713271 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

New β -Lactam- β -Lactamase inhibitor combinations for treatment of multidrug resistant bacteria. [10]