

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper4
Subject Name :	DNB Immunohematology and Blood Transfusion Paper4
Creation Date :	2023-04-27 21:17:39
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper4

Group Number :	1
Group Id :	327187799
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 Immunohematology and Blood Transfusion Paper4

Section Id :	327187802
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 :	327187806
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 3271877072 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

1. Explain lean approach to blood utilization management and add a note on Value Stream Assessment. [6+4]

Question Number : 2 Question Id : 3271877073 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

How are the Chimeric Antigen Receptor-T cells (CAR-T cells) designed and discuss their clinical role? [5+5]

Question Number : 3 Question Id : 3271877074 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 steps in setting up of a national EQAS programme for Transfusion Transmissible Infections (TTI) testing laboratories. What are the measures of performance of participating laboratories and the EQAS provider? [5+5]

Question Number : 4 Question Id : 3271877075 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 transcription mediated amplification (TMA) technique and its role in blood safety. [5+5]

Question Number : 5 Question Id : 3271877076 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Give an account of emerging pathogens in transfusion medicine. Discuss strategies to ensure blood safety in view of the emerging pathogens. [5+5]

Question Number : 6 Question Id : 3271877077 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 role of Design Qualification (DQ), Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ) for equipments in blood center. [3+3+2+2]

Question Number : 7 Question Id : 3271877078 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 RFID (Radio Frequency Identification) technology and describe various technologies that are available to prevent identification errors in transfusion chain. [4+6]

Question Number : 8 Question Id : 3271877079 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Bio-medical waste management in blood centres. [10]

Question Number : 9 Question Id : 3271877080 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Next Generation Sequencing and its applications in transfusion practice. [5+5]

Question Number : 10 Question Id : 3271877081 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 automation and Information Technology in Transfusion Medicine. [5+5]