

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper4
Subject Name :	DNB Immunohematology and Blood Transfusion Paper4
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper4

Group Number :	1
Group Id :	3271871964
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 :	3271871967
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 :	3271871971
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718719252 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. Hemovigilance programme in India (HvPI). What are the broad headings under which data is captured? Discuss imputability assessment. [5+3+2]

Question Number : 2 Question Id : 32718719253 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 'External Quality Assessment Scheme' (EQAS) in ensuring quality in the Immunohaematology laboratory. Describe the process of an EQAS cycle. [5+5]

Question Number : 3 Question Id : 32718719254 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 levels of biosafety. What levels are applicable to a blood centre and why? Tabulate the onsite waste segregation at a blood centre. [4+2+4]

Question Number : 4 Question Id : 32718719255 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 various methods of automation available for Immunohematology laboratory. Discuss the Pros and Cons of Automation in Immunohaematology. [5+5]

Question Number : 5 Question Id : 32718719256 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 strategies can be employed to prevent wrong blood in tube? How can blood bank management software facilitate this? [5+5]

Question Number : 6 Question Id : 32718719257 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 applications of molecular techniques in Transfusion Medicine. [10]

Question Number : 7 Question Id : 32718719258 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 various methods that can be implemented to enhance blood safety. Enumerate the steps that can be taken to prevent incorrect blood component transfusion (IBCT). [6+4]

Question Number : 8 Question Id : 32718719259 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 cellular immunotherapies within Transfusion Medicine for the treatment of malignant diseases. [10]

Question Number : 9 Question Id : 32718719260 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Enumerate the pathogen inactivation techniques that are commercially available. Discuss the advantages and limitations of pathogen inactivation techniques. [4+6]

Question Number : 10 Question Id : 32718719261 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 Hospital transfusion committee in ensuring optimal transfusion services. Plan a utilization review of blood component usage in the Operation Theatre (OT) at your hospital. [5+5]