

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper1
Subject Name :	DNB Immunohematology and Blood Transfusion Paper1
Creation Date :	2023-04-25 11:44:53
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper1

Group Number :	1
Group Id :	327187796
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 Paper1

Section Id :	327187799
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 :	327187803
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718720682 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. Explain the importance of 2,3-DPG levels in transfused blood including what happens to levels post-transfusion and which factors are involved. [5+2+3]

Question Number : 2 Question Id : 32718720683 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 biological properties of red blood cells that can affect post-transfusion survival and explain how additive solutions are used and list their advantages. [5+2+3]

Question Number : 3 Question Id : 32718720684 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 red cell antigens in health and disease states. [5+5]

Question Number : 4 Question Id : 32718720685 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 platelet storage lesions, their clinical significance and discuss various measures to prevent platelets storage lesions. [4+2+4]

Question Number : 5 Question Id : 32718720686 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 a normal thromboelastograph, its basic principle, interpretation of abnormal values and indications for transfusion of different blood components. [3+3+2+2]

Question Number : 6 Question Id : 32718720687 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 coagulopathy of Liver disease with emphasis on rebalanced coagulation. [10]

Question Number : 7 Question Id : 32718720688 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 Oxygen dissociation curve. Describe the changes in the oxygen dissociation curve during storage of RBCs. What are the clinical implications of the same. [4+3+3]

Question Number : 8 Question Id : 32718720689 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 inheritance, structure and function of factor VIII complex. [3+3+4]

Question Number : 9 Question Id : 32718720690 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 types of hypersensitivity reactions and their implication in blood transfusion. [5+5]

Question Number : 10 Question Id : 32718720691 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Explain major principles of methods used in studying gene polymorphisms and describe applications of RBC molecular antigen typing. [8+2]