

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Immunohematology and Blood Transfusion Paper2
<b>Subject Name :</b>	DNB Immunohematology and Blood Transfusion Paper2
<b>Creation Date :</b>	2023-04-26 21:36:16
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## **DNB Immunohematology and Blood Transfusion Paper2**

<b>Group Number :</b>	1
<b>Group Id :</b>	327187797
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## **DNB Immunohematology and Blood Transfusion Paper2**

<b>Section Id :</b>	327187800
<b>Section Number :</b>	1

<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	327187804
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 3271877052 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. Describe how you will institute a robust donor haemovigilance programme at your blood centre. What measures can you take to minimize blood donor adverse events during the process of blood donation. [5+5]

**Question Number : 2 Question Id : 3271877053 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 causes and resolution of false positive and false negative indirect antiglobulin test

(IAT). [5+5]

**Question Number : 3 Question Id : 3271877054 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 multicomponent collection by apheresis technology. What are the changes required in donor eligibility criteria for multicomponent collection? [5+5]

**Question Number : 4 Question Id : 3271877055 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 impact of Covid-19 pandemic on blood supply chain. What are the NBTC guidelines for conducting blood donations camp and donor screening? [4+(3+3)]

**Question Number : 5 Question Id : 3271877056 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 advantages of leucoreduction and methods to estimate the residual leukocyte count in blood components. [4+6]

**Question Number : 6 Question Id : 3271877057 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 ISBT nomenclature of blood group antigens. [10]

**Question Number : 7 Question Id : 3271877058 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 current protocols for peripheral blood stem cell mobilization. What are the side effects? [6+4]

**Question Number : 8 Question Id : 3271877059 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 solid phase red cell adherence assay and its applications. [6+4]

**Question Number : 9 Question Id : 3271877060 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 elements of Quality System in the Immunohaematology laboratory. How will you validate a negative direct antiglobulin test result? [6+4]

**Question Number : 10 Question Id : 3271877061 Question Type : SUBJECTIVE Consider As**

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

**Time : 0**

**Correct Marks : 10**

Classify the adverse effects of blood transfusion. Describe the approach to investigation of a case of delayed transfusion reaction. [5+5]