

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Immunohematology and Blood Transfusion Paper4
<b>Subject Name :</b>	DNB Immunohematology and Blood Transfusion Paper4
<b>Creation Date :</b>	2022-06-25 18:44:58
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## **DNB Immunohematology and Blood Transfusion Paper4**

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871231
<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>Break time :</b>	0
<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 Paper4**

<b>Section Id :</b>	3271871234
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**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 :** 3271871238  
**Question Shuffling Allowed :** No

**Question Number : 1 Question Id : 32718711362 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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 the salient features of the recent amendments in Drugs and Cosmetics Act with regard to blood donor selection. [10]

**Question Number : 2 Question Id : 32718711363 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the mechanism of clinical efficacy of cold stored platelets. Discuss the utility and challenges in Cold storage of platelets. [5+5]

**Question Number : 3 Question Id : 32718711364 Question Type : SUBJECTIVE Consider As**

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

What is occult HBV? What measures would you take to prevent transmission of HBV infection in recipient through occult HBV? [5+5]

**Question Number : 4 Question Id : 32718711365 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What are the techniques of non-invasive fetal Rh D typing? Discuss its applications. [5+5]

**Question Number : 5 Question Id : 32718711366 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Elaborate on the principle, rationale and technologies available for irradiation of blood components. [10]

**Question Number : 6 Question Id : 32718711367 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Proteomics in transfusion medicine. [10]

**Question Number : 7 Question Id : 32718711368 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the role of thromboelastography (TEG) in peri-operative hemostasis. [10]

**Question Number : 8 Question Id : 32718711369 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe mesenchymal stem cells and their clinical applications. [4+6]

**Question Number : 9 Question Id : 32718711370 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Develop a massive transfusion protocol for obstetrical bleeding for your hospital. [10]

**Question Number : 10 Question Id : 32718711371 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss the role of a transfusion medicine specialist in patient blood management. [10]