

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Immunohematology and Blood Transfusion Paper3
<b>Subject Name :</b>	DNB Immunohematology and Blood Transfusion Paper3
<b>Creation Date :</b>	2023-10-15 15:58:40
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## **DNB Immunohematology and Blood Transfusion Paper3**

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872516
<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 Paper3**

<b>Section Id :</b>	3271872519
<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>	3271872523
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718725393 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 intra-uterine transfusion of blood components under the following heads:

- Indications. [2]
- Selection of blood component. [4]
- Complications. [2]
- Precautions. [2]

**Question Number : 2 Question Id : 32718725394 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 etiology, diagnosis and management of Non Hemolytic Febrile Transfusion Reaction (NHFTTR). [3+3+4]

**Question Number : 3 Question Id : 32718725395 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 factors affecting the quality of platelet concentrates and enumerate quality control of platelet concentrates prepared by different methods as per the DGHS guidelines. [3+7]

**Question Number : 4 Question Id : 32718725396 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Antibodies to which blood group systems are usually saline reacting. What factors determine their clinical significance? [4+6]

**Question Number : 5 Question Id : 32718725397 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Make a plan for a blood component utilization audit in a orthopaedic unit. What indicators will you use to determine the optimal use of blood components? [5+5]

**Question Number : 6 Question Id : 32718725398 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 are the issues and challenges faced in donor notification & look back? Describe the legal implications of the same. [6+4]

**Question Number : 7 Question Id : 32718725399 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

List the main advantages and disadvantages of autologous transfusion. Enumerate the most important factors to consider when emergency transfusion is indicated. [5+5]

**Question Number : 8 Question Id : 32718725400 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 are the indications and protocols in neutropenic patients for the use of the following:

a) Granulocyte Colony Stimulating Factor. [5]

b) Granulocyte therapy. [5]

**Question Number : 9 Question Id : 32718725401 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 management of a patient with aplastic anaemia showing platelet refractoriness? [10]

**Question Number : 10 Question Id : 32718725402 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 causes of mixed field reactions during pre-transfusion testing (with respect to RBCs). How do we resolve such discrepancies? [5+5]