

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper1
Subject Name :	DNB Immunohematology and Blood Transfusion Paper1
Creation Date :	2022-06-25 17:18:30
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper1

Group Number :	1
Group Id :	3271871228
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
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 :	3271871231
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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 : 3271871235
Question Shuffling Allowed : No

Question Number : 1 Question Id : 32718711332 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 Glycoprotein receptors on platelets. [10]

Question Number : 2 Question Id : 32718711333 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Discuss the evolution of anticoagulant and preservative solutions. [10]

Question Number : 3 Question Id : 32718711334 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe briefly mechanism of action of Rh immunoglobulin and dose calculation to prevent HDFN due to Rh incompatibility. [10]

Question Number : 4 Question Id : 32718711335 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe T cell subsets and their clinical significance. [10]

Question Number : 5 Question Id : 32718711336 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are reticulated platelets? Discuss their importance in transfusion medicine. [4+6]

Question Number : 6 Question Id : 32718711337 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 randomization in clinical trials. What are the different types of randomization? [5+5]

Question Number : 7 Question Id : 32718711338 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Current standards of practice in bio-waste management in blood banks. [10]

Question Number : 8 Question Id : 32718711339 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 flow cytometry in transfusion medicine. [10]

Question Number : 9 Question Id : 32718711340 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Describe the regulation of hematopoiesis and discuss its implications in clinical transfusion practice. [5+5]

Question Number : 10 Question Id : 32718711341 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe the red cell membrane structure and functions. [5+5]