

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper1
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DNB Immunohematology and Blood Transfusion Paper1

Group Number :	1
Group Id :	3271872752
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DNB Immunohematology and Blood Transfusion Paper1

Section Id :	3271872755
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872759
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718734304 Question Type : SUBJECTIVE Consider As

Subjective : Yes

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. Mention a brief note on "Blood Pharming". What are the potential benefits of "Artificial Oxygen Carriers"? Add a brief note on perfluorocarbons. [3+4+3]

Question Number : 2 Question Id : 32718734305 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Enumerate the different types of Immunoglobulins and mention the significant ones in red cell serology. Discuss the role of Immunoglobulins in transfusion medicine. [2+8]

Question Number : 3 Question Id : 32718734306 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define and classify cytokines. Discuss their role in febrile non-haemolytic transfusion reactions and preventive strategies. [(2+3)+5]

Question Number : 4 Question Id : 32718734307 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Draw coagulation cascade. Discuss cellular model of coagulation. [4+6]

Question Number : 5 Question Id : 32718734308 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Mention the indications for Granulocyte transfusions. Discuss its process of collection and kinetics. [2+(4+4)]

Question Number : 6 Question Id : 32718734309 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Draw Schematic diagram illustrating the sequential activation of the complement system. Schematically represent the mechanization of antibody dependent cell-mediated cytotoxicity (ADCC). [7+3]

Question Number : 7 Question Id : 32718734310 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

List the diseases important in Red cell serological testing. Add a note on how each type of disease influence the Red cell serological testing in transfusion medicine. [2+8]

Question Number : 8 Question Id : 32718734311 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Mention quality parameters of packed red cell concentrate collected in bags with CPDA-1 preservative solution. Discuss red cell storage legions, their clinical consequences and prevention. [3+(3+2+2)]

Question Number : 9 Question Id : 32718734312 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Enumerate different plasticizes in blood component preparation. Discuss criterial consideration in the development of blood bags and Platelet storage bags. [4+(3+3)]

Question Number : 10 Question Id : 32718734313 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

a) What is Plagiarism? Explain in detail. [6]

b) Discuss about the research ethics and morals. [4]