

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper3
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Creation Date :	2024-10-19 17:56:18
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Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper3

Group Number :	1
Group Id :	3271872876
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 Paper3

Section Id :	3271872879
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 :	3271872883
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718730044 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. Discuss pathophysiology of HDFN due to anti- K. Describe peculiar phenomenon one can observe in patients with AIHA due to auto antibody against Kell antigen. Add a note on acquired loss of red cell Kell antigens. [4+3+3]

Question Number : 2 Question Id : 32718730045 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Discuss Microlymphocytotoxicity Assay and its use for HLA typing and cross-matching. [5+5]

Question Number : 3 Question Id : 32718730046 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe Hybridoma technique and mention its applications in Immunohaematology. [6+4]

Question Number : 4 Question Id : 32718730047 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the clinical applications of Tissue Banking with examples, establishment, procedure of sterilization & preservation. [5+2+3]

Question Number : 5 Question Id : 32718730048 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

a) Classify various detection methods for coagulation abnormalities. [5]

b) Utility of global tests of haemostasis in Transfusion Medicine. [5]

Question Number : 6 Question Id : 32718730049 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe the tests used for detecting fetomaternal haemorrhage. [10]

Question Number : 7 Question Id : 32718730050 Question Type : SUBJECTIVE Consider As

Subjective : Yes

Correct Marks : 10

a) List the criteria used to select a genetic system for parentage testing. [5]

b) Enumerate classic genetic systems used in parentage testing. [5]

Question Number : 8 Question Id : 32718730051 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe Cryo-preservation and storage of haematopoietic stem cells. Add note on ISHAGE (International society of Hematotherapy and Graft Engineering) protocol. [(4+3)+3]

Question Number : 9 Question Id : 32718730052 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define reagent red cell panels. Describe requirements for preparation of Reagent Red Cell Panels. [4+6]

Question Number : 10 Question Id : 32718730053 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Define major and minor red cell antigens, detection methods and their significance in transfusion medicine practice. [2+4+4]