

National Board of Examinations

Question Paper Name :	DNB Immunohematology and Blood Transfusion Paper3
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Actual Answer Key :	No

DNB Immunohematology and Blood Transfusion Paper3

Group Number :	1
Group Id :	3271871963
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Immunohematology and Blood Transfusion Paper3

Section Id :	3271871966
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 :	3271871970
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718719242 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. Types of Drug induced autoimmune haemolytic anaemia (AIHA) and give examples of prototype drugs in each category. Discuss the approach to manage these types of AIHA. [4+3+3]

Question Number : 2 Question Id : 32718719243 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

The methods of desensitization for ABO incompatible solid organ transplantation. Write a protocol for monitoring the ABO antibody titres pre and post transplant. [5+5]

Question Number : 3 Question Id : 32718719244 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss Neonatal Exchange Transfusion under the heads:

- a) Indications. [3]
- b) Selection of blood. [2]
- c) Procedure. [3]
- d) Complications. [2]

Question Number : 4 Question Id : 32718719245 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 method, Quality control and role in blood group serology laboratory of the following techniques.

- a) Adsorption Elution. [5]
- b) Saliva Testing. [5]

Question Number : 5 Question Id : 32718719246 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Blood component transfusion support in ABO incompatible Haematopoietic Stem Cell transplant (HSCT). [10]

Question Number : 6 Question Id : 32718719247 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the Granulocyte Colony Stimulating Factor under the heads:

- a) Indications. [4]
- b) Administration. [3]
- c) Adverse events/Complications. [3]

Question Number : 7 Question Id : 32718719248 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the role of the following in Immunohaematology:

- a) Dithiothreitol (DTT). [2]
- b) Polyethylene Glycol (PEG). [2]
- c) Papain. [2]
- d) Low Ionic strength solution (LISS). [2]
- e) Albumin. [2]

Question Number : 8 Question Id : 32718719249 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 clinical presentation of a Acute Hemolytic transfusion reaction (AHTR) in a patient undergoing a major surgery. Discuss the approach to diagnosis and management of AHTR in such a patient. [5+5]

Question Number : 9 Question Id : 32718719250 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 plan to implement a patient blood management (PBM) plan in an obstetric unit of a hospital. [10]

Question Number : 10 Question Id : 32718719251 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Post donation counselling. [2]
- b) Confidential unit exclusion. [2]
- c) Donor Notification. [3]
- d) Look back policy. [3]