

National Board of Examinations

Question Paper Name : DNB Immunohematology and Blood Transfusion Paper1
Subject Name : DNB Immunohematology and Blood Transfusion Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718737435 Consider As Subjective : Yes

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 factors affecting antigen-antibody reactions in red cell serology. [10]

Question Number : 2 Question Id : 32718737436 Consider As Subjective : Yes

Describe expression of various antigens on platelets and their clinical significance. [5+5]

Question Number : 3 Question Id : 32718737437 Consider As Subjective : Yes

Describe the natural process of affinity maturation of antibodies and factors affecting affinity maturation. [5+5]

Question Number : 4 Question Id : 32718737438 Consider As Subjective : Yes

Describe the production of monoclonal antibodies by hybridoma technology. What are the advantages and disadvantages of using monoclonal antibodies in red cell serology? [4+(3+3)]

Question Number : 5 Question Id : 32718737439 Consider As Subjective : Yes

a) Describe bilirubin metabolism. [5]

b) Enumerate the disorders of bilirubin metabolism. [5]

Question Number : 6 Question Id : 32718737440 Consider As Subjective : Yes

- a) What are the methods of assessment of blood loss in a trauma patient? [6]
- b) Describe the role of transfusion medicine specialist in massive transfusion. [4]

Question Number : 7 Question Id : 32718737441 Consider As Subjective : Yes

Discuss the association of blood group systems with diseases. [10]

Question Number : 8 Question Id : 32718737442 Consider As Subjective : Yes

Discuss the hemostatic changes in liver disease. What are its implications on transfusion therapy in liver disease? [6+4]

Question Number : 9 Question Id : 32718737443 Consider As Subjective : Yes

What is INR (International normalized ratio)? Discuss its utility & limitations as a measure of coagulopathy. [4+(3+3)]

Question Number : 10 Question Id : 32718737444 Consider As Subjective : Yes

Discuss the pathology of hyperfibrinolysis, laboratory assessment and management. [4+3+3]