

# National Board of Examinations

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

**Is this Group for Examiner? :** No

**Enable Mark as Answered Mark for Review and Clear Response :** Yes

**Question Number : 1 Question Type : SUBJECTIVE**

Briefly discuss the Red blood cell storage lesions, their clinical significance and its preventive measures. [4+3+3]

**Question Number : 2 Question Type : SUBJECTIVE**

Explain the Hardy-Weinberg principle and how it applies to genetic traits. [5+5]

**Question Number : 3 Question Type : SUBJECTIVE**

Briefly describe the clinical role of Platelet-specific antigens and antibodies in Transfusion Medicine. [5+5]

**Question Number : 4 Question Type : SUBJECTIVE**

Transfusion associated Graft versus host disease (TA-GvHD) and its prevention. [6+4]

**Question Number : 5 Question Type : SUBJECTIVE**

Describe the mechanisms of drug induced autoimmune hemolytic anemia and its laboratory diagnosis. [6+4]

**Question Number : 6 Question Type : SUBJECTIVE**

Compare parametric versus non parametric tests. Give two examples for each one of them. [6+4]

**Question Number : 7 Question Type : SUBJECTIVE**

Discuss the principles of flow cytometry and applications of flow cytometry in transfusion medicine. [3+7]

**Question Number : 8 Question Type : SUBJECTIVE**

Draw the coagulation cascade. Enumerate Laboratory approach to a patient with coagulation disorder. [3+7]

**Question Number : 9 Question Type : SUBJECTIVE**

With the help of a Schematic diagram briefly discuss the sequential activation of the complement system via the classical and alternative pathways. [5+5]

**Question Number : 10 Question Type : SUBJECTIVE**

Normal erythropoiesis and role of erythropoietin. [5+5]