



RB-5051

P. G. Diploma in Blood Bank Technology Examination

April / May – 2010

Immunohaematology & Haematology : Paper - I

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृश्यादिब निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Diploma in Blood Bank Technology	<input type="text"/>
Name of the Subject :	<input type="text"/>
Immunohaematology & Haematology - 1	<input type="text"/>
Subject Code No. : <input type="text"/> 5 <input type="text"/> 0 <input type="text"/> 5 <input type="text"/> 1	Section No. (1, 2,.....): <input type="text"/> 1&2
	Student's Signature

(2) Fill up these details in your answer book.

(name of examination / Name of Subject / Subject code no / Section No)

(3) Answers to each section to be written in **separate** answer books.

(4) Illustrate your answers with neat diagrams wherever necessary.

(5) Figures to the right indicate full marks of the questions.

SECTION - I : IMMUNOHAEMATOLOGY

1 Describe in detail Antibodies of the ABO system. **15**

OR

1 Describe in detail the various methods of Cross-matching.

2 Write short notes on any **three** : **15**

- (a) Haemolytic disease of new born
- (b) Autoantibodies associated with alloimmunization
- (c) Elution of antibodies
- (d) Bombay phenotype
- (e) Characteristics of Anti-D.

- 3** Answer in brief : **5**
- (a) Give two likely reasons for false positive result of Antihumanglobulin (Coombs) technique.
 - (b) List two names of blood substitutes
 - (c) List two cellular components of Acquired immunity.
 - (d) Mention one antibody most commonly associated with delayed hemolytic transfusion reaction.
 - (e) Enumerate best methods for storing of red cells.

SECTION - II : HAEMATOLOGY

- 1** Classify hemolytic anaemia and describe its laboratory diagnosis. **15**

OR

- 1** Give FAB classification of Acute leukaemia. Describe the laboratory diagnosis of AML & ALL (Mention various cytochemical stains and cell surface markers)
- 2** Write short notes on any **three** : **15**
- (a) Dye decolorisation test
 - (b) Lab investigations of Iron deficiency anaemia.
 - (c) Bone marrow picture of Megaloblastic anaemia.
 - (d) APTT
 - (e) ESR
- 3** Answer in brief: **5**
- (a) HbS
 - (b) Mention two causes of Eosinophilia
 - (c) Heinz bodies
 - (d) Philadelphia chromosome
 - (e) Supravital stain
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