



RB-5052

Diploma in Blood Bank Technology Examination

April / May - 2010

**General Immunology &
Microbiology & Biochemistry : Paper - II**

Time : Hours]

[Total Marks : 70

Instructions :

(1)

| | |
|---|----------------------|
| नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य वपनी. 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"/> |
| Gen. Immu. & Microbio. & Biochem. - 2 | <input type="text"/> |
| Subject Code No. : <input type="text"/> 5 <input type="text"/> 0 <input type="text"/> 5 <input type="text"/> 2 | <input type="text"/> |
| Section No. (1, 2,.....): <input type="text"/> 1&2 | |
| | Student's Signature |

- (2) Use **separate** answer books for each section.
- (3) Draw diagrames whenever necessary.
- (4) Figures to the right indicate full marks.

SECTION - I : GENERAL IMMUNOLOGY

1 Define Antibody. Discuss types of Antibodies and its applications. **15**

OR

1 Define auto immunity. Discuss Mechanisms of Auto immunity.

2 Write short notes - any **three** (of five) **15**

- (1) Immunoglobulins
- (2) Immunogens
- (3) Passive Immunity
- (4) Antigen Antibody reactions;
- (5) Role of Lymphocytes in immunity.

- 3** Answer in brief : **5**
- (1) Define flow cytometry
 - (2) What is Epitope?
 - (3) Molecular methods in HLA matching.
 - (4) What is ELISA technique?
 - (5) Soluble Antigens.

SECTION - II : MICROBIOLOGY & BIOCHEMISTRY

- 4** Discuss classification of bacterias. Discuss Bacterias of medical importance. **15**

OR

- 4** Discuss various methods of Electrophoresis.
- 5** Write short notes - any **three** (of five) **15**
- (1) Biomedical waste management
 - (2) Serology techniques of TTI
 - (3) Methods to determine pH
 - (4) G.T.T.
 - (5) Lipid Profile estimation
- 6** Answer in brief. **5**
- (1) Give normal reference range of HDL
 - (2) Give names of Renal function tests;
 - (3) Give names of Gram-ve Bacilli
 - (4) What is Biosafety?
 - (5) Uses of Buffer solutions in laboratories.
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