



SA-1483

P. G. D. M. L. T. Examination

March / April – 2011

Haematology & Blood-Banking : Paper - III

Time : Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दशांश देव निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="P. G. D. M. L. T."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="HAEMATOLOGY &amp; BLOOD-BANKING : PAPER - 3"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="8"/> <input type="text" value="3"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;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 : Haematology Marks : 40**

1 Classify Hemolytic anaemia and describe its lab diagnosis. 15

OR

1 Describe etiopathogenesis of Megaloblastic anaemia with its Laboratory Diagnosis. 15

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

- (a) Prothrombin time
- (b) Sickle cell anemia
- (c) Lab diagnosis of acute myeloid leukaemia
- (d) Blood indices
- (e) Cyan-met Hb method.

3 Match the following : 10

- |                        |                        |
|------------------------|------------------------|
| (i) Drabkin solution   | (a) Hbs                |
| (ii) Increased MCV     | (b) Hemophilia B       |
| (iii) Prothrombin time | (c) Cyan-met Hb method |

- |   |                           |
|---|---------------------------|
| (iv) Dye decolorisation test                  | (d) Hemolytic anemia      |
| (v) Wintrobe tube                             | (e) Reticulocyte count    |
| (vi) Factor IX                                | (f) G-6PD deficiency      |
| (vii) New methylene blue                      | (g) Macrocytic anemia     |
| (viii) Schilling test                         | (h) Extrinsic pathway     |
| (ix) $\alpha 2\beta 2$ 6glu $\rightarrow$ val | (i) Megaloblastic anaemia |
| (x) Increased reticulocyte count              | (j) Packed cell volume    |

**SECTION - II : Blood Banking    Marks : 30**

- 4    Describe the various Method of cross matching and limitation of it. 15

**OR**

- 4    Describe the various investigation in case of Trasfusion Reaction. 15

- 5    Answer any **three** : 15

- (1) Bombay Blood group
- (2) Fresh Frozen plasma
- (3) Investigation of TTI
- (4) Quality control of ABO Reagent
- (5) The Rh Blood group system.

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