



RA-1485-86

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

March / April - 2010

Haematology & Blood-Banking : Paper - III

Time : Hours]

[Total Marks : 70

RA-1485
(Haematology)

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. 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 & 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="5"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="1"/>	
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.

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 leukemia
(d) Blood indices
(e) Cyan-met Hb method.

3 Match the following : 10

- | | |
|------------------------------|---------------------|
| (i) Auer rods | (a) Hb-Barts |
| (ii) Philadelphia chromosome | (b) Aplastic anemia |
| (iii) Factor VIII | (c) DIC |

- | | |
|----------------------------|------------------------------|
| (iv) Increased TIBC | (d) ESR |
| (v) Dry Tap | (e) ITP |
| (vi) APTT | (f) Chronic myeloid Leukemia |
| (vii) γ^4 | (g) Intrinsic pathway |
| (viii) Decreased platelets | (h) Iron deficiency anemia |
| (ix) Westergren pipette | (i) Haemophilia A |
| (x) Increased FDP | (j) AML-myeloblast |

RA-1486
(Blood Banking)

Instructions :

(1)

<p>नीचे दृश्यादिब निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>☛ P. G. D. M. L. T.</p> <p>Name of the Subject :</p> <p>☛ Haematology & Blood-Banking : Paper - 3</p> <p>☛ Subject Code No. : 1 4 8 6 ☛ Section No. (1, 2,.....) : 2</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin-top: 10px; text-align: center;"> <p>Student's Signature</p> </div>						

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4 Describe compatibility testing in special circumstances and limitations of compatibility testing. 15

OR

4 Describe about preparation, preservation, quality control and transfusion indications of blood components. 15

5 Answer any **three** : 15

- (i) Voluntary blood donor
- (ii) Investigations of transfusion transmitted viruses
- (iii) Haemolytic disease of newborn
- (iv) Principle and application of the direct antiglobulin test
- (v) Bombay phenotype