* S A - 1 4 8 3 / 3 0 0 *

SA-1483

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

March / April – 2011

Haematology & Blood-Banking : Paper - III

Time : Hours] [Total Marks : **70**

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ P. G. D. M. L. T.

Name of the Subject :

☛ HAEMATOLOGY & BLOOD-BANKING : PAPER - 3

☛ Subject Code No. : 1 4 8 3 ☛ Section No. (1, 2,.....) : 1&2

Seat No. :

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.