



AC-5083
P. G. D. M. L. T. Examination
April / May – 2015
Paper - III : Haematology & Blood Banking
(Old Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशायेव निशानीवाणी विगतो उत्तरवाडी पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
P. G. D. M. L. T.

Name of the Subject :
P. - 3 : HAEMA. & BLOOD BANKING (OLD)

Subject Code No. : 5 0 8 3 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

2. Answers to each section to be written in separate answer books.
3. Answer **all** the questions.
4. Draw neat and labeled diagrams wherever necessary.
5. Figures to the **right** indicate full marks of the question.

Section-I (Haematology)

Q-1.Enumerate various methods for Hb estimation and describe in detail (12)

Cynmethemoglobin method.

OR

Q-1. Classify anemia. Describe iron deficiency anemia. (12)

Q-2. Write short notes on any **three** of the following: (15)

- a) Preparation of peripheral smear
- b) Tests for sickle cell disease
- c) Supravital stain
- d) Bleeding time and clotting time
- e) PCV

Q-3. Answer in short on any **four** of the following: (08)

- a) Importance of thick smear examination
- b) Blood indices
- c) WBC diluting fluid
- d) Eosinophilia
- e) Contents of Geimsa stain
- f) Different methods for ESR measurement

Section-II (Blood Banking)

Q-1. Enlist different Transfusion reactions. Describe Investigation of Transfusion reaction in detail. (12)

Or

Q-1. Describe various techniques for the ABO blood grouping in detail. (12)

Q-2. Write short notes on any **three** of the following. (15)

- a) Indirect Antiglobulin test
- b) Compatibility testing
- c) Quality control in blood bank
- d) Transfusion transmitted viruses and their investigation
- e) MN blood group system

Q-3. Answer in short on any **four** of the following. (08)

- a) Enumerate Factors affecting agglutination reactions.
- b) Write the significance of H gene in Bombay phenotype.
- c) What is SOP? Explain its importance.
- d) What is D^u?
- e) Enumerate different types of blood bags.
- f) Citrate anticoagulant- its use and principle