



AB-4208
P. G. D. M. L. T. Examination
April/May – 2015
Paper - III : Haematology & Blood Banking

Time : 3 Hours]

[Total Marks : 70

Instruction :

(1)

<p>नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : P. G. D. M. L. T.</p> <p>Name of the Subject : PAPER - III : HAEMATOLOGY & BLOOD BANKING</p> <p>Subject Code No. : 4 2 0 8 Section No. (1, 2,.....): 1&2</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (2) Answers to each section to be written in separate answer books.
- (3) Answer all the questions.
- (4) Draw neat and labelled diagrams wherever necessary.
- (5) Figures to the right indicate full marks of the question.

Section-I (Haematology)

1 Classify hemolytic anemia and describe its laboratory diagnosis. 12

OR

1 Describe in detail various anticoagulants used for blood collection.

2 Write short notes on any three of the following: 15

- (a) ESR
- (b) Differential W.B.C. count
- (c) G-6-PD test
- (d) Iron deficiency anemia
- (e) Blood indices

- 3** Answer in short on any four of the following. **8**
- (a) Leukemia
 - (b) PCV
 - (c) Romanowsky stains
 - (d) Different methods for hemoglobin estimation
 - (e) Reticulocyte
 - (f) Blood parasites

Section-II (Blood Banking)

- 1** Enlist different Transfusion reactions. Describe **12**
Investigation of Transfusion reaction in detail

OR

- 1** Enumerate different blood donors. Describe Blood collection **12**
from donor in detail.

- 2** Write short notes on any **three** of the following : **15**

- (a) Direct Antiglobulin test
- (b) Major and Minor cross match
- (c) Biosafety in Blood Bank
- (d) Transfusion transmitted viruses and their investigation
- (e) MN blood group system

- 3** Answer in short on any four of the following. **8**

- (a) Enumerate factors affecting agglutination reactions.
- (b) Enlist different Transfusion Reactions.
- (c) What is SOP? Explain its importance.
- (d) What is D^u?
- (e) Enumerate different types of blood bags.
- (f) How will you do Quality control of Antisera?