



SY-4571

Seat No. _____

D. M. L. T. Examination

April / May - 2006

Pathology

(Hematology - Immunohematology - Blood)

Time : **3 Hours**]

[Total Marks : **100**

- 1** Write notes on any **four** : **32**
- (a) Calcium chelating anticoagulants
 - (b) Megaloblastic anemia - causes and laboratory investigations.
 - (c) Supravital stains
 - (d) Blood indices its calculations.
 - (e) LE cell preparation and its interpretation.
- 2** (a) Answer in brief : **10**
- (i) Contents of WBC fluids its significane
 - (ii) Four causes of eosinophillia
 - (iii) Normal value of ESR by various methods
 - (iv) Two fixatives in hematology
 - (v) Draw trophozoite and gamatocyte of P. Vivax.
- (b) Answer in brief : **10**
- (i) Name reagents you use for Nestroft
 - (ii) Principle of G.C.P.D. test
 - (iii) Principle and normal value of PT test
 - (iv) Define avidity and affinity of blood group sera.
 - (v) P/S appearance of CML.

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[Contd...

- 3** Write short notes on any **three** : **24**
- (a) Hb. electrophoresis.
 - (b) Coomb's test
 - (c) Blood donor's selection
 - (d) Pretransfusion tests.
- 4** Write notes on any **two** : **24**
- (a) D I C
 - (b) Blood group system
 - (c) Thrombocyte penia and its investigations.
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