



**AAH-4571**

Seat No. \_\_\_\_\_

**D.M.L.T. Examination**

**April / May - 2016**

**Haematology Immunohaematology & Blood**

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Figures to the right indicate full marks.
  - (2) Each section should be written in separate answer sheet.
  - (3) Write legibly and to the point.

**SECTION – I**

- 1** Write notes on any four **32**
- (a) Classify anaemias. Mention causes and lab diagnosis of megaloblastic anaemia.
  - (b) Describe Red cell indices with it's normal values and significance.
  - (c) Classify Leukemias. Give details of chronic leukemias.
  - (d) Ennnumerate coagulation factors. Give an account of (i) bleeding time and (ii) Prothrombin time.
  - (e) Difference between normal RBC and Sickle cell. Give an account of sickle cell disease with principle and method of sickling test.
- 2** Answer in brief : **12**
- (a) Draw a neutrophil and mention causes of neutrophilia.
  - (b) Give an account of Erythrocytic sedimentation rate.
  - (c) Draw a bone marrow aspiration needle. Mention indications of bone marrow examination.
  - (d) Methods for counting of reticulocytes.
- 3** Answer in brief : **6**
- (a) Draw a EDTA and fluoride vaccuttes with colour coddging.
  - (b) Name four Romanowasky stains
  - (c) Define Thalassaemia and mention it's types.

## SECTION – II

- 4 Write short notes on any **four** : **32**
- (a) Rh blood group system and it's clinical significance.
  - (b) Describe in detail blood transfusion reactions.
  - (c) Describe pretransfusion testing and compatibility testing.
  - (d) Direct and indirect Coomb's test.
  - (e) Classify blood components. Mention important use and storage temperature of each.
- 5 Write notes on any **three** : **18**
- (a) Bombay blood group
  - (b) Autologous blood transfusion
  - (c) Mention method/s of discard of sero positive samples and blood bags.
  - (d) Post transfusion care of donor.
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