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**1st year / DMLT**

**Subject : Haematology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:**Objective type questions. All questions are compulsory (10x1=10)

- Q.1 Define Platelet.
- Q.2 Expand TLC.
- Q.3 Write life cycle of RBC.
- Q.4 What is staining.
- Q.5 Define accuracy.
- Q.6 Expand MCH.

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- Q.7 Define Leukocytosis.
- Q.8 What are blood smears.
- Q.9 What is erythropoiesis.
- Q.10 Define agglutination.

**SECTION-B**

**Note:**Very short answer type questions. Attempt any five questions out of twelve questions. 5x2=10

- Q.11 What are Eosinophils.
- Q.12 What is methaemoglobin.
- Q.13 Write two functions of Lymphocytes.
- Q.14 What are neutrophils.
- Q.15 Write two functions of Hb in blood.

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Q.16 Draw monocytes & lymphocytes.

Q.17 Write different types of WBC.

### SECTION-C

**Note:** Short answer type questions. Attempt any six questions out of eight questions. 6x4=24

Q.18 Write different types of Hb.

Q.19 How do we use Haemocytometer.

Q.20 Explain RBC counting also its clinical significance.

Q.21 Write different errors involved in Haemocytometry.

Q.22 Write different methods of WBC count.

Q.23 Draw WBC pipette with labeling.

Q.24 How blood film is prepared.

Q.25 Write significance of internal & external quality control in Lab.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. 2x8=16

Q.26 Explain principle of Coulter Counter for cell counting.

Q.27 Write various abnormalities associated with morphological character of blood Cells.

Q.28 Explain methods of preparation of Leishman's Stain.

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