

[Total No. of Question : 6]

# D.M.L.T.

## PATHOLOGY

[Time : 3 Hours]

[Max. Marks :100]

**Instructions to the candidates :**

- 1) All questions are compulsory.**
- 2) Neat diagrams must be drawn wherever necessary.**
- 3) Figures to the right indicate full marks.**

- Q.1) Describe types of microtomes & microtome knives. Add a note on knife sharpening. [15]
- Q.2) Define anemia. Classify them. Describe investigations to confirm the diagnosis of iron deficiency anemia. [15]
- Q.3) Describe physical & chemical examination of urine. [15]
- Q.4) Enumerate criteria for selection of a blood donor & enumerate indications for blood transfusion. [15]

**Q.5) Write short notes on any four.** [20]

- a) Frozen section
- b) Formalin
- c) Methods of blood grouping
- d) P.A.S. staining
- e) Transfusion transmitted diseases

**Q.6) Write short notes on any four:** [20]

- a) Sickling test
- b) Coombs test
- c) Reticulocyte count
- d) E.S.R.
- e) Semen analysis