

[Total No. of Questions : 6]

# D.M.L.T.

## BIOCHEMISTRY

[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 glucose tolerance test. Write a note on renal glycosuria . [15]

Q.2) Explain the principle, types and applications of electrophoresis. [15]

Q.3) Describe any two methods for blood urea estimation with principle. [15]

Q.4) Define enzymes. Classify enzymes with examples. Name any four enzymes used for diagnostics purpose. [15]

**Q.5) Write short notes on: (Any Four) [20]**

- a) Write principle of paper chromatography.
- b) Estimation of blood urea.
- c) Blood buffers.
- d) CSF analysis.
- e) Serum Bilirubin.

**Q.6) Write short notes on: (Any Four) [20]**

- a) Urine analysis.
- b) Incubator and oven.
- c) Preparation of normal, molar, percent solution.
- d) Plasma proteins.
- e) Cleaning and calibration of glassware.