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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.*

Q1) Describe glucose tolerance test. Write a note on renal glycosuria. **[15]**

Q2) Explain the principle, types and applications of electrophoresis. **[15]**

Q3) Describe any two methods for blood urea estimation with principle. **[15]**

Q4) Define enzymes. Classify enzymes with examples. Name any four enzymes used for diagnostic purpose. **[15]**

Q5) 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.

Q6) 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.

