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**2nd Year /DMLT, DMLT  
(For Speech and Hearing Impaired)**  
**Subject : Clinical Biochemistry**

Time : 3 Hrs. M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Volumetric apparatus are in laboratory to measure which component of liquid.

- a) Volume
- b) Weight
- c) Pressure
- d) density

Q.2 Name natural anticoagulant present in living organism

- a) Heparin
- b) EDTA
- c) Sodium Citrate
- d) CPD

Q.3 Which one is not the preservative of urine specimen

- a) Concentrated HCl
- b) Boric acid
- c) thymolcrystal
- d) polyvinyl alcohol

Q.4 Ortho-tolidine method is used for estimation of-

- a) urea
- b) glucose
- c) serum protein
- d) uric acid

Q.5 Uric acid is a heterocyclic compound of:-

- a) carbon & hydrogen
- b) oxygen & nitrogen
- c) both A&B
- d) None

Q.6 Insulin is produced by which organ of the body.

- a) pancreas
- b) liver
- c) Kidney
- d) intestine

**SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define gluconeogenesis.

Q.8 Define hyperuricemia.

(1)

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(2)

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Q.9 What do you mean by plasma protein.

Q.10 Which hormone is responsible for moving glucose from your bloodstream into the cell.

Q.11 CSF is found in-----.

Q.12 Full form of PFF.

### **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write down difference between plasma and serum.

Q.14 What are functions of blood.

Q.15 How stool sample is collected and preserve.

Q.16 What are instructions given to patient during glucose tolerance test.

Q.17 What are functions of serum protein.

Q.18 Write down clinical significance of urea estimation.

Q.19 Write a short note on GOUT.

Q.20 Define A/G ratio.

Q.21 Write a short note on body fluids with types.

Q.22 Write principles of Folin-wu method of glucose estimation.

### **SECTION-D**

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

Q.23 Write down collection and preservation of blood sample in detail.

Q.24 Write down formation and excretion of urea.

Q.25 Write down principle, procedure and clinical significance of uric acid estimation.