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221922

Roll No.

**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

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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-toluidine 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.

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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.