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Roll No.

1st Year / MLT

Subject:- Clinical Biochemistry

Time : 3Hrs.

M.M. : 60

SECTION-A

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

Q.1 Urea metabolism is end product of _____ metabolism.

- a) Glucose b) Protein
- c) Lipid d) Uric acid

Q.2 In hyperuricemia blood uric acid level _____

- a) increases b) decreases
- c) remain same d) no effect

Q.3 Jaffe's reaction is done for testing

- a) Serum protein b) Serum urea
- c) Serum uric acid d) Serum creatinine

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Q.4 Name of method of serum chloride estimation

- a) alkaline picrate b) o-toluidine
- c) henry caraway d) schales & schales

Q.5 Full form of QAS in Biochemistry

- a) Quality Assurance System
- b) Quantum assessment system
- c) Quality Analytic System
- d) Quantum Analytic System

Q.6 BCG method is used to test

- a) Urea b) Albumin
- c) Globulin d) Glucose

SECTION-B

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

Q.7 Define Azotonia.

Q.8 Name principal cation of intra-cellular fluid.

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- Q.9 Gout is associated with increase of _____ level in blood.
- Q.10 Name types of quality control in lab.
- Q.11 Write the normal value of serum creatinine.
- Q.12 Write the Names of two RFT's.

SECTION-C

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

- Q.13 Write the formula for creatinine clearance conditions.
- Q.14 Name the clinical conditions in which blood urea level increases.
- Q.15 Explain pre-analytical quality control.
- Q.16 Explain the principle of K⁺ estimation.
- Q.17 Write down the procedure of Henry Caraway's method for uric acid determination.
- Q.18 Write down various functions of plasma proteins.

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- Q.19 Write down steps of urea metabolism.
- Q.20 Write down principle of Berthelot method.
- Q.21 Write down clinical significance of uric acid.
- Q.22 Write down difference between extra cellular and intra cellular fluid.

SECTION-D

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

- Q.23 Write down urea cycle in detail with diagrammatic representation.
- Q.24 Write down principle, normal value and procedure of serum proteins.
- Q.25 Write short note on
- External Quality Control
 - Clinical significance of A/G ratio

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