

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (8x2=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

- a) External Quality Control
- b) Clinical significance of A/G ratio

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1st year. / MLT

Subject : Clinical Biochemistry

Time : 3 Hrs.

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

- 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 Q A S 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.
- Q.9 Gout is associated with increase of ----- level in blood.
- Q.10 Name types of Quality Control in lab.

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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 procedure of Henry Caraway's method for uric acid determination.
- Q.18 Write down various functions of plasma proteins.
- 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.

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