

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(8 \times 2 = 16)$

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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Roll No.

181917

1st year. / MLT

Subject : Clinical Biochemistry

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory $(6 \times 1 = 6)$

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. $(6 \times 1 = 6)$

- 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.

- 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. $(8 \times 4 = 32)$
- 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.