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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 Write the name of method used for estimation of Na+

a) Schals method
b) Biuret method
c) Falmephotometery method
d) DAM method

Q.2 Write the normal range of serum protein

a) 11-13 g/dl b) 2-3 g/dl
c) 15-18 g/dl d) 6-8 g/dl

Q.3 Creatinine is an anhydride of_____

a) Creatine b) Amino acid
c) Urea d) carbohydrates

Q.4 Which of the following is an electrolyte

a) Na b) CI
c) K+ d) All of above

Q.5 Write the Normal Value of Blood Urea.

a) 7-21 mg/dl b) 0.3 -0.9 mg/ dl
c) 80- 121 mg /dl d) None of above

Q.6 Expand BCG

a) Borocresol green b) Biuret cresol green
c) blue cresol green d) None of above

SECTION-B

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

Q.7 Schals & schals method is used for estimation of _____

Q.8 Berthlot reaction method is used for estimation of _____

Q.9 Normal value of Na+ in blood is_____

Q.10 QAS stands for

Q.11 Creatinine reacts with picric acid to form_____

Q.12 Normal value of serum creatinine

SECTION-C

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

Q.13 Write a short note on BCG method

Q.14 Discuss the Quality laboratory process

Q.15 Discuss the principle of DAM method

Q.16 Write the clinical significance of chloride in blood.

Q.17 Discuss the various types of protein.

Q.18 Write the principles of berthlot reaction.

Q.19 Discuss in detail the internal quality control in biochem laboratory

Q.20 Discuss the clinical significance of blood urea estimation

Q.21 Write the clinical significance of serum creatinine

Q.22 Write the clinical significance of blood urea estimatio

SECTION-D

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

Q.23 Write the principle, procedure & Normal value of uric acid

Q.24 Write the principle, procedure & Normal value of protein

Q.25 Write short note on following:-

i) Accuracy

ii) Precision

iii) Standard deviation

iv) Sensitivity