No. of Printed Pages : 4

Roll No.....

181917

1st Year Annual Pattern (Re-app)

Branch : DMLT

Sub.: Biochemisty-1st

Time : 3 Hrs. **M.M. : 60**

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 Urea formation takes place mainly in _____?

a) Kidney b) Liver

c) Lungs d) None of these

Q.2 Elevated levels of urea and other nitrogen compounds in blood is known as _____?

a) Azotemia b) Anaemia

c) Myeloma d) None of these

Q.3 Creatine phosphate is also known as _____?

a) Creatinine b) Carbohudrates

c) Phosphocreatine d) None of these

Q.4 What is the normal value of blood urea?

a) 7-21 mg/dl b) 0-14 mg/dl

c) 6-40 mg/dl d) 6-18 mg/dl

Q.5 Normal range of uric acid is

a) 6.5 -9.2 mg/dl. b) 1.2-2.4 mg/dl.

c) 3.5-7.2 Mg/dl. d) None of these

Q.6 Which method is used for estimation of urea?

a) Schals method

b) Biuret method

c) Falmephotometery method

d) DAM method

Section-B

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

Q.7 Define Blood urea.

Q.8 Write the name of any two electrolytes.

Q.9 Increase concentration of uric acid in blood to above normal value is known as _____?

Q.10 _____ fluid is accumulated outside the body cells.

Q.11 Serum creatinine is increased in _____ failure (Heart/Kidney).

Q.12 _____ method is used for estimation of Serum Protein.

Section-C

Note: Short answer type Questions. Attempt any Eight questions out of Ten Questions. (8x4=32)

Q.13 Write the clinical importance of blood urea.

Q.14 Write the principle of DAM Method.

Q.15 Write the clinical significance of serum creatinine.

Q.16 Write the functions of Serum proteins.

Q.17 Explain the urea cycle in brief.

Q.18 Explain Pre-Analytical Quality Control.

Q.19 Write the principle of serum protein estimation.

Q.20 Write the importance of some trace elements.

Q.21 Write the procedure of serum calcium estimation.

Q.22 Write the clinical significance of serum Sodium.

Section-D

Note: Long answer 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 serum Creatnine.

Q.25 Explain Quality Assurance in biochemistry laboratory as per National standards in detail.