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3rd Sem / DMLT, DMLT
(For Speeach and Hearing Impaired)
Subject : Applied Clinical Biochemistry

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 LDL, HDL and VLDL belong to

a) Lipid profile b) LFT
c) RFT d) None

Q.2 Normal value of serum bilirubin is

a) 10mg/dl b) 100mg/dl
c) 0.1mg/dl d) 1mg/dl

Q.3 Idometric method is used to estimate_____

a) serum calcium
b) inorganic Phosphorus
c) serum amylase
d) all of the above

Q.4 Alfa amylase is released by_____-

a) kidney b) brain
c) liver d) salivary gland

Q.5 Activity of ACP enzyme is maximum at pH.

a) 4-5 b) 5-6
c) 8-9 d) 9-10

Q.6 B100 protein is important component of lipoprotein

a) VLDL b) LDL
c) IDL d) All

SECTION-B

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

Q.7 Write one clinical significance of calcium.

Q.8 Write reference value of ACP.

Q.9 Which lipoprotein is termed as bad cholesterol.

Q.10 Expand SGPT.

Q.11 Give the normal range of serum amylase.

Q.12 Name the method for cholesterol estimation.

SECTION-C

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

Q.13 Differentiate between direct and indirect bilirubin.

Q.14 Write down clinical significance of bilirubin estimation.

Q.15 Differentiate between ALP and ACP.

Q.16 Give the clinical importance of ACP estimation.

Q.17 Explain principal SGPT and SGOT estimation.

Q.18 Write down the normal range of lipid profile.

Q.19 Write short note on metabolism of bilirubin.

Q.20 Write short note on various isoenzymes of amylase.

Q.21 What are conditions responsible for cholesterol elevation?

Q.22 Expand LFT. List various tests involved in LFT.

SECTION-D

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

Q.23 Explain the formation and excretion of bilirubin.

Q.24 Write down clinical importance of transferase and phosphatase group of enzymes present in body.

Q.25 Explain procedure for estimation of various lipid profile components.