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4th Sem. / DMLT, DMLT (For Speech & Hearing Impaired)
Sub. Analytical Clinical Biochemistry

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Urinary glucose is estimated by

- a) Benedict reagent b) Benzidine reagent
- c) Biuret reagent d) Bertholts method

Q.2 Colour of urine is

- a) Yellow b) Orange
- c) Red d) White

Q.3 Normal range of CSF protein is

- a) 10 to 15 mg per decilitre
- b) 15 to 30 mg per decilitre
- c) 15 to 45 mg per decilitre
- d) 45 to 55 mg per decilitre

Q.4 Full form of TLC is biochemistry procedure is

- a) Total leukocyte count
- b) Thin layer chromatography
- c) Testing laboratory control
- d) Thin layer carbonation

Q.5 Electrophoresis is done for separation of

- a) Charged particle b) Neutral particle
- c) Acidic particle d) Basic particle

Q.6 Goitre is a disease related with organ

- a) Lungs b) Heart
- c) Thyroid d) Brain

SECTION-B

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

Q.7 Define polyuria.

Q.8 What do you mean by RF value

Q.9 Name the test used to calculate ketone bodies in urine.

Q.10 What is full form of HPLC.

Q.11 Name the method used to determine T3 and T4.

Q.12 Define steatorrhoea.

SECTION-C

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

Q.13 How does synthesis of T3 and T4 takes place in thyroid gland.

Q.14 Write a short note on Fouchet test

Q.15 Write a short note on occult blood examination for stool sample.

Q.16 How is CSF taken from patient mentions its clinical significance.

Q.17 What are advantage and disadvantage of automatic measuring devices.

Q.18 Write down composition and clinical significance of synovial period.

Q.19 Mention important precautions during CSF collection.

Q.20 Explain two methods for determination of urinary proteins.

Q.21 Explain various factors affecting electrophoresis.

Q.22 What are tumor markers? How they are important in medical point of view.

SECTION-D

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

Q.23 Write down principal and procedure of paper chromatography.

Q.24 Write down working and importance of continuous flow analyzers.

Q.25 Differentiate between transudates and exudates.