

- Q.26 Write down the procedure for collection of ascetic fluid.
- Q.27 How to clean the glassware by chromic acid.
- Q.28 Write a short note on CSF.
- Q.29 Write a short note on Stool sample.
- Q.30 Write down the procedure to prepare the serum from blood.
- Q.31 Draw the layout of distillation plant.
- Q.32 Explain working principle of Glucometer.
- Q.33 What are the various reagents used in PFF.
- Q.34 Write down the various cleaning agent names.
- Q.35 Write a short note on analytical balance.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain collection procedure for blood by venous puncture method.
- Q.37 Explain principle, working, care and maintenance of spectrophotometer.
- Q.38 Detailing the various glassware used in biochemistry lab with neat and clean diagram.

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1st Sem./ DMLT Subject:- Clinical Biochemistry - I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Study of chemical reaction happens in living organism is known as
- Analytical Chemistry
 - Organic Chemistry
 - Inorganic Chemistry
 - Biochemistry
- Q.2 PFF is known as
- Plasma free filtrate
 - Plasma free fluid
 - Protein free filtrate
 - Protein free fluid
- Q.3 Colorimeter is based on
- beer law
 - lambert law
 - beer and lambert law
 - none of these

- Q.4 Example of natural anticoagulant is
- a) EDTA b) CPD
 - c) Heparin d) ACD

- Q.5 Centrifuge is used for
- a) Separation of plasma
 - b) Separation of serum
 - c) Both of these
 - d) None of these

- Q.6 CSF stands for
- a) Cerebral Spinal Fluid
 - b) Cerebro Spinal Fluid
 - c) Cerebrum Spinal Fluid
 - d) None of these

- Q.7 SI unit for time is
- a) hrs b) minutes
 - c) seconds d) all of these

- Q.8 Chromic Acid is used as
- a) Anticoagulant b) Blood thinner
 - c) Cleaning agent d) Stain

- Q.9 In PFF, Sulphuric Acid is used as
- a) Precipitant b) Anticoagulant
 - c) Both of these d) None of these

- Q.10 pH of blood is
- a) 7 b) 7.4
 - c) 7.5 d) 8

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name two reagents used as cleaning agents.
- Q.12 Flame photometer is used as _____
- Q.13 Define Glucometer.
- Q.14 Spectrophotometer is _____
- Q.15 Define Calibration.
- Q.16 Name two preservatives for blood sample.
- Q.17 Heel prick method is used for _____
- Q.18 _____ is used to make glass apparatus.
- Q.19 Peritoneal fluid is found _____
- Q.20 What are the SI units for temp and pressure.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Write down the care and maintenance of colorimeter.
- Q.22 Write down the procedure to prepare the PFF.
- Q.23 Explain the principle of Centrifuge.
- Q.24 Write down any five application of Biochemistry.
- Q.25 Explain the collection of urine.