

- 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. $(2 \times 10 = 20)$

- 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 $(10 \times 1 = 10)$

- 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 filterate
 - Plasma free fluid
 - Protein free filterate
 - 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 Centifuge 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.