

- Q.31 Write down the working principle of de-ionizer.
- Q.32 Write down the normal range of Fasting. PP and random blood sugar.
- Q.33 What are the various reagents used in PFF.
- Q.34 Write down the care & maintenance of flame photometer.
- Q.35 Write a short note on digital balance.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain collection procedure and processing method for stool sample.
- Q.37 Explain principle, working, care and maintenance of centrifuge.
- Q.38 Explain the various glassware cleaning method and also write down the composition of glassware.

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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 Site for CSF collection is
a) Lumber puncture b) Spinal Cord
c) Brain d) Abdomen
- Q.2 Father of colorimeter
a) Charles babbage b) Robert hook
c) Jules Dubosq d) none of these
- Q.3 Which of the source used in Spectrophotometer
a) LASER
b) LED
c) Tungsten lamp
d) Sodium vapour lamp.
- Q.4 Example of anticoagulants is
a) EDTA b) H_2SO_4
c) $\text{C}_6\text{H}_{12}\text{O}_6$ d) Chromic Acid

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- Q.5 Distillation plant is used for
a) purifying blood b) purifying water
c) both of these d) none of these
- Q.6 Visible light spectrum ranges from
a) 400nm-500nm b) 300nm-600nm
c) 400nm-700nm d) all of these
- Q.7 SI unit for pressure is
a) Pascal b) temp.
c) Celsius d) Candela
- Q.8 H₂SO₄ is used as
a) anticoagulant b) Blood thinner
c) cleaning agent d) Stain
- Q.9 Thymol is used as preservative for
a) Blood b) Urine
c) both of these d) none of these
- Q.10 pH of CSF is
a) 7.3 b) 7.4
c) 7.5 d) 7.8

SECTION-B

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

- Q.11 Name two reagents used in PFF.
- Q.12 Balance is used as _____
- Q.13 Define Glucometer.

- Q.14 Flame photometer is _____
- Q.15 Define Calibration.
- Q.16 Name two preservatives for stool sample.
- Q.17 Heel prick method is used for _____.
- Q.18 _____ is used to make plasma from blood.
- Q.19 Synovial fluid is found _____
- Q.20 What are the SI units for mass and pressure.

SECTION-C

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

- Q.21 Write down care and maintenance of balance.
- Q.22 How to prepare the plasma from blood.
- Q.23 Explain the principle of Colorimeter.
- Q.24 Write down any five application of Biochemistry.
- Q.25 Explain the function of CSF.
- Q.26 Write down the procedure for collection of cardiac fluid.
- Q.27 Write down the cleaning procedure for plastic ware and glassware.
- Q.28 Write a short note on abdominal fluid.
- Q.29 Write a short note on urine.
- Q.30 Write down the difference between plasma and serum.