

- 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.

No. of Printed Pages : 4

121916/031916

Roll No. ....

**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) Lumbar 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)  $C_6H_{12}O_6$                   d) Chromic Acid

- 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  $H_2SO_4$  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.

(2)

121916/031916

- 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 preparation 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.

(3)

121916/031916