

- Q.31 Describe the calibration procedure of a burette.
- Q.32 What is the clinical significance of stool examination?

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

- Q.33 Name the different methods for blood collection. Explain in detail venipuncture method.
- Q.34 What is cleaning fluid? Explain the procedure for preparation and procedure for cleaning glassware using cleaning fluid.
- Q.35 Explain principle, procedure and working of colorimeter.
- Q.36 Explain working, care and maintenance of centrifuge.

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1st Sem. / MLT

Subject : Clinical Biochemistry-I

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 The working of colorimeter is based upon _____.
- Q.2 EDTA stands for _____.
- Q.3 White blood cells are known as erythrocytes. (T/F)
- Q.4 _____ glassware is resistant to heat.
- Q.5 The cleaning fluid used in laboratory is a mixture of _____.
- Q.6 ISE stands for _____.
- Q.7 S.I unit for amount of substance is _____.

(440)

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Q.8 _____ is an instrument used for blood glucose determination.

Q.9 P.F.F stands for _____.

Q.10 CSF specimens are collected for diagnosis of _____.

SECTION-B

Note:Very short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

Q.11 Define anticoagulants.

Q.12 Write the S.I units of velocity and force.

Q.13 What are the advantages of borosilicate glassware?

Q.14 Name two preservatives used for urine preservation.

Q.15 Define biochemistry.

Q.16 Name two cleaning agents used in laboratory.

Q.17 What is serum?

Q.18 Name the different types of centrifuge used in biochemistry laboratory.

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Q.19 Give two examples of volumetric glassware.

Q.20 What is the role of neubilizer in flame photometer?

Q.21 Name any two protein precipitating agents.

Q.22 Write the full form of ISE. Give it's use.

SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

Q.23 List the important components of blood. Give their functions.

Q.24 Describe the principle of centrifuge.

Q.25 Differentiate between serum and plasma.

Q.26 Name the types of glassware used in laboratory. Which type is better and why?

Q.27 Explain Beer Lambert's law.

Q.28 Describe the importance of biochemistry.

Q.29 Give the advantages of measuring glucose by using glucometer.

Q.30 Give the principle of flame photometer.

(3)

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