

Biochem DMLT

ANDHRA PRADESH PARAMEDICAL BOARD, VIJAYAWADA
COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JANUARY, 2019
Diploma in Medical Lab Technician course(DMLT)
PAPER- III
BIOCHEMISTRY, TECHNIQUES & METABOLISM

Time: 3 Hours
Answer any **TEN** questions

Total Marks:80
All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. What are anticoagulants? Name four anticoagulants and write their usefulness.
2. Write an account of the biosafety measures and first aid to be taken in a biochemistry laboratory. Add a note on the preventive measures.
3. Write in detail about the conducting an oral glucose tolerance test and interpretation of its results.
4. Write the procedure for preparation of distilled water in a clinical biochemistry department.
5. Write an account of the cleaning, drying, maintenance and storage of glassware.
6. What are isoenzymes? Write on determination of marker enzymes in a patient with myocardial infarction.
7. What are the abnormal constituents of urine? How do you detect these qualitatively?
8. What is meant by estimation of 'lipid profile'? Name the components of lipid profile. Write the precautionary measures to be taken in the estimation of lipid profile and mention the normal ranges.
9. What is the role of quality control in the clinical laboratory and mention its importance. Add a note on internal and external quality measures.
10. What is pH meter and write a few words about the various methods available for the measurement of pH of different solutions.
11. Write in detail about the various types of centrifuges and also the precautions to be taken while using centrifuge.
12. Give an account of the various renal function tests routinely performed in a clinical laboratory at a district health care centre.