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School of Medical and Allied Sciences

M.Sc Medical Lab Technology
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - L1PG203T - Clinical BiochemistryGeneral Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Outline the mechanism of action of sodium fluoride. K2 (2)
- 2) Match serum and plasma sample for laboratory test. Explain the difference. K1 (3)
- 3) Explain the laboratory blood collection tubes, mechanism of action of constituents, advantages and disadvantages. K2 (4)
- 4) Illustrate the kidney function test and explain about the tests. K2 (6)
- 5) Built the principle of semi-automatic analyzer. K3 (8)
- 6) Experiment on BUN write the significance of BUN as compared to urea test. K3 (9)
- 7) Dissect the disorders of metabolism related to protein and explain their impact on overall health. K4 (8)
- 8) Analyze the theory of formation and methods for analysis of renal calculi, including their clinical implications. K4 (12)

OR

Conclude the significance of automated analyzers in clinical laboratories. K4 (12)