

School of Medical and Allied Sciences

**M.Sc Medical Lab Technology
Semester End Examination - Jun 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem II - L1PG203T - Clinical Biochemistry*General 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*

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| 1) | Recall the components of colorimeter and explain it. | K1(2) |
| 2) | Rephrase the internal quality control. | K2(4) |
| 3) | Summarize the renal calculi and remember the common constituents of renal stone. | K2(6) |
| 4) | Construct the a plan of special features of automated analyzers used in clinical laboratories with suitable example. | K3(9) |
| 5) | Make a use of prolactin hormone in clinical laboratory. | K3(9) |
| 6) | Interpret the clinical significance T3 hormone. | K5(10) |
| 7) | Analyze comprehensive quality control program for thyroid hormone testing in a laboratory. | K4(12) |
| 8) | Conclude the urine formation process and discuss the renal function tests used to assess kidney disorders. | K5(15) |
| 9) | Justify the role of iodine in the biosynthesis of thyroid hormones. | K5(15) |
| 10) | Create a principle for automated analyzer which will be used in clinical setup. | K6(18) |