

School of Medical and Allied Sciences

Medical Lab Technology

ETE - Jun 2023

Time : 3 Hours

Marks : 100

SEM IV - BMLS4003 - Analytical Clinical Biochemistry

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | What do you understand by Beer Lambert's law? | K1 CO1 (5) |
| 2. | Classify different types of Chromatography techniques | K2 CO3 (5) |
| 3. | Demonstrate the various applications of flame photometr | K1 CO2 (5) |
| 4) | Contrast the difference between colorimeter and Spectrophotometer | K4 CO2 (10) |

OR

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|----|--|-------------|
| | Apply your knowledge on basic procedure and differnt types of Colorimeter. | K4 CO2 (10) |
| 5. | Explain TLC and Paper Chromatography | K3 CO4 (10) |
| 6. | Apply your Knowledge on the the classification of Chromatography | K3 CO2 (10) |
| 7. | Examine Paper Chromatography | K2 CO3 (10) |
| 8) | Elaborate PAGE technique and add a note on its applications | K5 CO3 (15) |

OR

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| | Justify gel electrophoresis technique | K5 CO3 (15) |
| 9. | Elaborate CRISPER Case9 Technique. | K5 CO2 (15) |
| 10. | Simplify anion exchange chromatography technique | K4 CO1 (15) |