

School of Biomedical Science

**Master of Science in Clinical Nutrition and Dietetics
Semester End Examination - Jun 2024**

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

Sem II - Q1PK201T - MBACNT2002 - Nutritional 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) | Define metabolism. | K1(2) |
| 2) | Explain how energy is released? | K2(4) |
| 3) | Explain the main functions of ATP in cellular function. | K2(6) |
| 4) | Illustrate Reversible Inhibitors. | K3(9) |
| 5) | Illustrate Transcription. | K3(9) |
| 6) | Examine the trivial system of enzyme classification. | K5(10) |
| 7) | Analyze the Enzyme inhibition. | K4(12) |
| 8) | Examine the minor pathways of fatty acid oxidation. | K5(15) |
| 9) | Examine the changes in metabolism in diabetes mellitus. | K5(15) |
| 10) | Discuss the β - oxidation of a poly unsaturated fatty acid. | K6(18) |