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School of Medical and Allied Sciences

Bachelor of Pharmacy

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 30

Sem II - BP203T - 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) What is the Expenditure of ATP in the Glycolysis Pathway K1 (2)
 - 2) Illustrate the primary function of glycolysis in cellular metabolism? K2 (2)
 - 3) Outline about vitamin D? K2 (2)
 - 4) Define glycogen storage diseases. K1 (2)
 - 5) Explain about jaundice? K2 (2)
 - 6) Construct the hormonal regulation of blood glucose levels K3 (5)

 - 7) Examine the consequences of Glucose-6-Phosphate dehydrogenase (G6PD) deficiency? K4 (5)
- OR**
- Examine the cause of hyperbilirubinemia K4 (5)

 - 8) Explain the pathway, energetics, and significance of glycolysis in cellular metabolism. K5 (10)
- OR**
- Explain uncouplers and their role in mitochondrial function and energy production. K5 (10)