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School of Medical and Allied Sciences

Master of Pharmacy in Pharmacology
Mid Term Examination - Nov 2023

Duration : 90 Minutes
Max Marks : 30

Sem I - MPL104T - Cellular and Molecular Pharmacology-IGeneral 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 are the functions of smooth endoplasmic reticulum? K1 (2)
- 2) Explain about gene sequencing. K2 (2)
- 3) Summarize the events activated during JAK/STAT Signaling Pathway. K2 (2)
- 4) Tell the negative and positive regulation of gene expression with suitable example . K1 (2)
- 5) Interpret the actions of DAG. K2 (2)
- 6) Identify different components of nucleus with their functions. K3 (5)
- 7) Analyze the similarities and differences in siRNA and miRNA. K4 (5)

OR

- Analyze the physiological actions of calcium inside the cells? K4 (5)
- 8) Conclude the term gene expression and regulation of gene expression. K5 (10)

OR

- Conclude the physiological and pathological significance of autophagy? K5 (10)