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**School of Medical and Allied Sciences**

Master of Pharmacy in Pharmacology  
Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 30

**Sem II - MPL201T - Advanced Pharmacology-II***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*

- 1) Tell the classification of oral hypoglycemic agents. K1 (2)
- 2) Explain how drugs can affect calcium regulation. K2 (2)
- 3) Summarize the mechanism of action of aminoglycosides. K2 (2)
- 4) Define Corticosteroids and its uses. K1 (2)
- 5) Interpret the mechanism of action of rifampicin. K2 (2)
- 6) Identify the molecular mechanism of action of Corticosteroids and its uses. K3 (5)
- 7) Analyze molecular mechanism of action of thyroxin. K4 (5)

**OR**

Analyze the mechanism of antibiotic resistance in our body. Suggest some ways to avoid them? K4 (5)

- 8) Conclude a note on the molecular mechanism action of insulin hormones and Their pharmacotherapy. K5 (10)

**OR**

Conclude the role of DPP-IV inhibitors in therapy of Diabetes and discuss the pharmacology of SGLT2 inhibitors and classify oral hypoglycemic agents. K5 (10)