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**School of Biomedical Science**

Master of Science in Medical Biotechnology

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

**Sem II - Q1PP205T - Pharmacogenomics**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) Explain the differences between Pharmacogenetics and Pharmacogenomics. K2 (2)
- 2) Define the drug pharmacokinetics K1 (3)
- 3) Explain about Drug-transporter pharmacogenomics K2 (4)
- 4) Explain the role of Bioinformatics in drug discovery process. K2 (6)
- 5) Illustrate the role of molecular diagnostics in personalized medicine K3 (6)
- 6) Illustrate the role of DNA microarray in PM K3 (9)
- 7) Analyse the Phase I Drug metabolizing enzymes K4 (8)
  
- 8) Analyze the dye-based qPCR & probe-based qPCR. K4 (12)

**OR**

Analyze tools and techniques used for pharmacogenomic analysis. K4 (12)