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**School of Biomedical Science**  
**Bachelor of Science in Medical Biotechnology**  
**Mid Term Examination - Nov 2023**

**Duration : 90 Minutes**  
**Max Marks : 50**

**Sem III - C2UH301B - Drug Design and Development**

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) Define the Clinical Study. K2 (2)
- 2) Define the Types of Pre-Clinical Studies K1 (3)
- 3) Outline the biochemical assay. K2 (4)
- 4) Outline the principle, procedure and importance of Hot Plate Test. K2 (6)
- 5) Identify the Hepatotoxicity Assay significance and role of CYP450 enzyme. K3 (6)
- 6) Construct the Steps involved in pre-clinical studies K3 (9)
- 7) Analyze the Importance & Types of Clinical Study K4 (8)
- 8) Analyze the Solution phase synthesis with Solid phase synthesis. K4 (12)

**OR**

Examine the Drug Development Process in detail. K4 (12)