

BACHELOR OF PHARMACY HONOURS
FMU6207 – DRUG DEVELOPMENT – LEVEL 6
FINAL EXAMINATION
DURATION: TWO (02) HOURS

DATE: 28TH SEPTEMBER 2022

TIME: 1.30 P.M. 3.30 P.M.

Part B- Short Answer Questions (20 Marks)

01.

1.1 What is Bioprocess? (02 marks)

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1.2 Write the four (04) steps involved in the drug discovery phase of the drug discovery process. (04 marks)

- I)
- II)
- III)
- IV)

1.2 Write the four (04) rationale to set up a candidate profile in lead optimization. (04 marks)

- I)
- II)
- III)
- IV)

W

F

Index No:

02.

2.1 Write two (02) typical parameters in a lead target profile. (02 marks)

I).....

II)

2.2 State four (04) methods target validation techniques. (04 marks)

I)

II)

III)

IV)

2.3 State four (04) classes of nanomaterials. Give one example per each class. (04 marks)

I)

II)

III)

IV)

Index No:

Part C- Structured Essay Questions (60 Marks)

01.

- 1.1 Give four (04) major areas that scientists investigate during the preclinical stage. (08 marks)
- 1.2 What is investigator's brochure? (10 marks)
- 1.3 Briefly describe equivalency and non-inferiority trial. (12 marks)

02.

- 2.1 What is molecular docking? (04 marks)
- 2.2 Differentiate the Ligand-based drug design (LBDD) and Structure-based drug design (SBDD). (12 marks)
- 2.3 Briefly describe the applications of Molecular Interaction Field (MIF). (14 marks)