BACHELOR OF PHARMACY HONOURS
FMU3401- PHARMACOGNOSY I - LEVEL 3
FINAL EXAMINATION
DURATION: THREE (03) HOURS

DATE: 06TH SEPTEMBER 2022 TIME: 9.30 A.M.- 12.30 P.M.

Part B - Short Answer Questions (SAQs) - 20 Marks

1.

1.1. Write the main active ingredient of the below mentioned glycoside crude drugs.

(05 marks)

I. Cascara - .....
II. Aloe - .....
III. Senna -.....
IV. Frangula -.....
V. Cochineal -.....

1.2. List five (05) pharmaceutical/therapeutic uses of flavonoid glycosides. (05 marks)

I. .....
II. .....
III. .....
IV. .....
V. .....

2.

2.1. List three (03) categories of glycosides according to the chemical classification. (03 marks)

I. .....
II. .....
III. .....

2.2. List three (03) categories of alkaloids according to the chemical classification. (03 marks)

I. .....
II.....
III. .....

Index No.....

2.3. Draw the general structure for cardiac glycosides (04 marks)

Index No.....

Part C – Structured Essay Questions (SEQs) - 60 Marks

Answer all questions.

1.

1.1. Define an alkaloid. (05 marks)

1.2. Write a short note on indole alkaloids using two (02) examples (10 marks)

2.

2.1. Define "plant growth regulators". (03 marks)

2.2. Briefly describe the functions of three (03) plant growth promoters. (12 marks)

3.

3.1. List three (03) screening tests for carbohydrates. (03 marks)

3.2. Name two (02) examples for algal gelling agents. (02 marks)

3.3. Briefly explain the biological source, chemical nature, and medicinal importance of gums and mucilages of plants using two (02) examples. (10 marks)

4.

4.1. List three (03) examples for monoterpenes. (03 marks)

4.2. Write short notes on the following diterpenoids. (12 marks)

I. Gingko

II. Taxol