BACHELOR OF PHARMACY HONOURS
FINAL EXAMINATION
FMU4302 – PHARMACOGNOSY II – LEVEL 4
FMU5457 – PHYTOCHEMISTRY – LEVEL 5
DURATION: THREE (03) HOURS

DATE: 04TH OCTOBER 2022 TIME: 9.30 A.M. – 12.30 P.M.

Part B – 02 SAQs (20 Marks)

1.

1.1 What is meant by "standardization of herbal drugs"? (03 marks)

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1.2 List any three (03) standardizing parameters used in manufacturing of liquid/ extractive formulations. (03 marks)

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1.3 List any four (04) standardizing parameters used in manufacturing of solid dosage formulations. (04 marks)

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INDEX NO: .....

2.

2.1 What is herbal drug adulteration? (04 marks)

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2.2 Briefly discuss any two (02) methods of intentional adulteration giving one (01) example per each. (06 marks)

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INDEX NO: .....

Part C – 04 SEQs (60 Marks)

1. Briefly discuss five (05) different techniques involved in evaluation of herbal crude drugs. (15 marks)

2. Write short accounts on principle of each chromatography given below. (15 marks)

   2.1. Column chromatography.

   2.2. Gel permeation chromatography.

   2.3. Affinity chromatography.

3.

3.1. List four (05) characteristic features of secondary metabolites. (05 marks)

3.2. Draw the biosynthesis pathway for the formation of malonyl-Co A starting from acetyl CoA which occurs during the fatty acid synthesis. (10 marks)

4.

4.1 What are pesticides? (05 marks)

4.2 Write five (05) types of procedures those should be considered in controlling insect infestation. (05 marks)

4.3 What are herbicides? (05 marks)