

**UNIVERSITY OF JAFFNA**  
**BACHELOR OF PHARMACY**  
**SECOND YEAR FIRST SEMESTER EXAMINATION – JANUARY 2016**  
**PHACG 2154 PHARMACOGNOSY – PAPER II**

Date: 09.02.2016.



**ANSWER ALL EIGHT QUESTIONS.**

1.
  - 1.1 What are crude drugs? (10 Marks)
  - 1.2 List the different systems used to classify crude drugs and explain the basis of classifications with examples. (90 Marks)
  
2.
  - 2.1 List the different parts of plants that are used medicinally. Give one example for medicinal uses of each part. (30 Marks)
  - 2.2 Write a pharmacognostic note on “vinca” with reference to the cultivation and collection, chemical constituents and medicinal uses. (70 Marks)
  
3.
  - 3.1
    - 3.1.1 Define plant growth regulators? (10 Marks)
    - 3.1.2 List five important plant growth regulators. (20 Marks)
    - 3.1.3 Explain the role of plant growth regulators in secondary metabolites production. (20 Marks)
  - 3.2 Briefly explain how glycosides are biosynthesised in plants from sugars. (50 Marks)
  
4. Give an account on the followings for cinnamon and digitalis.
  - 4.1 Biological source. (20 Marks)
  - 4.2 Active constituents. (20 Marks)
  - 4.3 Method of collection. (40 Marks)
  - 4.4 Medicinal uses. (20 Marks)
  
5.
  - 5.1 Briefly describe the followings.
    - 5.1.1 Storage of crude drugs with examples. (40 Marks)
    - 5.1.2 Methods used for drying of crude drugs. (30 Marks)
  - 5.2 Write a note on “principle of Siddha Medicine System”. (30 Marks)
  
6.
  - 6.1 What is meant by ‘unorganized drug’? (10 Marks)
  - 6.2 List the different types of unorganized drugs with examples. (30 Marks)
  - 6.3 Write an explanatory note on:
    - 6.3.1 Benzoin. (30 Marks)
    - 6.3.2 Aloes. (30 Marks)

- 7.
- 7.1 Define volatile oils. (10 Marks)
  - 7.2 Write the uses of volatile oils with examples. (30 Marks)
  - 7.3 Give an account on the general properties of volatile oils. (20 Marks)
  - 7.4 Write an account on volatile oil production. (40 Marks)
- 8.
- 8.1 List the different classes of enzymes with examples? (20 Marks)
  - 8.2 Write a brief account on:
    - 8.2.1 L -Asperginase. (40 Marks)
    - 8.2.2 Streptokinase. (40 Marks)

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