

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**SECOND YEAR FIRST SEMESTER EXAMINATION – SEPTEMBER 2018**  
**PHACG 2154 PHARMACOGNOSY – PAPER II**

**Date: 29.09.2018**

**Time: 02 Hours**

**Answer All Eight Questions.**

**Answer Parts A and B in separate answer books.**

**PART – A**

- 1 1.1 What is meant by 'crude drug'? (10 Marks)
- 1.2 Briefly explain the different classification systems of crude drugs. (60 Marks)
- 1.3 Describe the collection method of cinnamon. (30 Marks)
  
- 2 Write the biological source, chief active constituents and three (3) medicinal uses of the following crude drugs.
  - 2.1 Coriander (25 Marks)
  - 2.2 Liquorice (25 Marks)
  - 2.3 Clove (25 Marks)
  - 2.4 Belladonna (25 Marks)
  
- 3 3.1 What is meant by 'adulteration of crude drugs'? (10 Marks)
- 3.2 Explain the different types of adulterant of crude drugs with examples. (45 Marks)
- 3.3 Describe the methods of evaluation of crude drugs. (45 Marks)
  
4. Write an account on following.
  - 4.1 Ayurvedic system of medicine (50 Marks)
  - 4.2 Papain (50 Marks)
  
5. 5.1 What is meant by 'Unorganized drug'? (20 Marks)
- 5.2 Write the active constituents present in the following crude drugs.
  - 5.2.1 Benzoin (10 Marks)
  - 5.2.2 Acacia (10 Marks)
  - 5.2.3 Colophony (10 Marks)
- 5.3 How crude drugs can be preserved? Explain with examples. (50 Marks)

6. 6.1 What is fixed oil? (10 Marks)  
6.2 List two examples for fixed oils. (10 Marks)  
6.3 Give two (2) medicinal uses for each fixed oils mentioned in 6.2 ? (20 Marks)  
6.4 List five (5) physical methods used for the analysis of fixed oils? (25 Marks)  
6.5 Enumerate the properties of fixed oils? (35 Marks)

**PART – B**

7. 7.1 7.1.1 Define 'Nutraceuticals'. (10 Marks)  
7.1.2 Classify nutraceuticals based on chemical nature. Give two examples for each. (35 Marks)  
7.2 7.2.1 Define and list five (5) examples for 'Anti-oxidants'. (35 Marks)  
7.2.2 Enumerate the health benefits of anti-oxidants. (20 Marks)
8. 8.1 8.1.1 List the pharmacopoeial requirements for the storage and usage of absorbent cotton. (20 Marks)  
8.1.2 Explain the different steps involved in the preparation of absorbent cotton. (50 Marks)
- 8.2 Write the  
8.2.1 biological source of Spirulina. (10 Marks)  
8.2.2 four (04) medicinal uses of Spirulina. (20 Marks)

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