UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
SECOND YEAR FIRST SEMESTER EXAMINATION – AUGUST 2017
PHACG 2154 PHARMACOGNOSY I
PAPER II

Date: 21.08.2017   Time: 2 hours.

ANSWER ALL EIGHT QUESTIONS.

1
1.1	Explain the term "crude drug".	(15 Marks)
1.2	Compare and contrast the organized crude drug and unorganized crude drug with examples.	(50 Marks)
1.3	Give five (5) biological sources for crude drugs.	(35 Marks)

2.
2.1	What is ergastic substance of plant?	(15 Marks)
2.2	Name the different types of ergastic substance in plants.	(30 Marks)
2.3	Write the functions of	
	2.3.1 cell membrane.	(30 Marks)
	2.3.2 cell wall.	(25 Marks)

3.
3.1	Compare and contrast	
	3.1.1 leaf and leaflet of a plant.	(40 Marks)
	3.1.2 meristematic tissue and permanent tissue.	(40 Marks)
3.2	List the medicinal uses of Ginger?	(20 Marks)

4.
4.1	Explain the vegetative propagation method of medicinal plant.	(25 Marks)
4.2	Name the different types of plant growth regulators and explain their effects on the plants.	(50 Marks)
4.3	Describe the cultivation of cinnamon and collection of cinnamon bark.	(25 Marks)

5.
5.1	Describe the processing method of Belladonna leaf.	(40 Marks)
5.2	Write short notes on "clove" with reference to the biological sources, chemical constituents and uses.	(60 Marks)

6. Write short notes on
6.1	scope of pharmacognosy.	(40 Marks)
6.2	ayurvedic system of medicine.	(30 Marks)
6.3	primary and secondary metabolites.	(30 Marks)

7.
7.1	List the uses of volatile oil with examples.	(20 Marks)
7.2	Explain different type of volatile oil.	(40 Marks)
7.3	Describe the volatile oil production by steam distillation.	(40 Marks)

8. 8.1 Name the different types of enzymes. (20 Marks)
   8.2 Describe the properties of enzymes. (45 Marks)
   8.3 Explain the pharmaceutical uses of enzymes. (40 Marks)