

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
SECOND YEAR SECOND SEMESTER EXAMINATION IN BPharmHons- 2020
PHACG 2223 PHARMACOGNOSY II

Allied Health Sciences

Date: 10.11.2022

Time: 02 Hours

Answer All the FOUR Questions.

Answer Part A & Part B in separate answer books

PART A

- | | | | |
|----|-------|--|------------|
| 1. | 1.1 | Write down the physico chemical properties of amino acids. | (20 Marks) |
| | 1.2 | Write a short note on gelatin. | (30 Marks) |
| | 1.3 | Briefly describe the qualitative test for carbohydrates. | (20 Marks) |
| | 1.4 | Briefly discuss the pharmaceutical importance of the followings: | |
| | 1.4.1 | Sucrose | (15 Marks) |
| | 1.4.2 | Powered cellulose | (15 Marks) |

PART B

- | | | | |
|----|-------|--|------------|
| 2. | 2.1 | List the functions of alkaloids. | (10 Marks) |
| | 2.2 | Briefly explain the methods involved in the isolation of alkaloids in plants. | (50 Marks) |
| | 2.3 | Discuss the importance of isomers of the alkaloidal drugs in the therapeutic activity. | (20 Marks) |
| | 2.4 | Write a short account on piperine alkaloid. | (20 Marks) |
| | | | |
| 3. | 3.1 | Write the physical properties of glycosides. | (20 Marks) |
| | 3.2 | Briefly describe the chemistry of glycosides. | (40 Marks) |
| | 3.3 | Write a short note on following glycosidal drugs | |
| | 3.3.1 | Sennoside | (20 Marks) |
| | 3.3.2 | Digitoxin | (20 Marks) |
| | | | |
| 4. | 4.1 | List the therapeutic activities of terpenes. | (10 Marks) |
| | 4.2 | Explain the synthetic preparation of camphore. | (30 Marks) |
| | 4.3 | Briefly discuss the uses of camphore. | (25 Marks) |
| | 4.4 | Write a short note on followings: | |
| | 4.4.1 | Diterpenes | (10 Marks) |
| | 4.4.2 | Colophony | (10 Marks) |
| | 4.4.3 | Turpentine | (15 Marks) |