

UNIVERSITY OF JAFFNA, SRI LANKA  
FACULTY OF ALLIED HEALTH SCIENCES  
THIRD YEAR SECOND SEMESTER EXAMINATION IN BPharmHons – 2020  
PHAHP 3236 HOSPITAL PHARMACY

Date: 14/10/2022

Time: 03 Hours

Answer All EIGHT Questions. Marks allocated to each part are given within brackets.

Answer Part A & Part B in separate answer book

PART A

1.
  - 1.1 Explain the role of pharmacist in hospital. (75 Marks)
  - 1.2 Write down the duties of hospital chief pharmacist. (25 marks)
2.
  - 2.1 Define:
    - 2.1.1. Hospital formulary (10 Marks)
    - 2.1.2. Formulary manual (10 Marks)
    - 2.1.3. Formulary system (10 Marks)
  - 2.2 Explain the benefits of hospital formulary. (70 Marks)
3.
  - 3.1 What is Drug Information Center? (10 Marks)
  - 3.2 List drug information needed. (20 Marks)
  - 3.3 Explain the steps involved in drug information enquiries. (70 Marks)
4.
  - 4.1 Briefly explain essential medicine. (25 Marks)
  - 4.2 Write down the criteria for which essential medicines are selected. (25 Marks)
  - 4.3 What are the key factors involved in the development of essential medicine list? (25 Marks)
  - 4.4 Who are the stakeholders involved in the preparation of essential medicine list? (25 Marks)
5.
  - 5.1 Write down the factors to be considered when designing cytotoxic compounding laboratory. (40 Marks)
  - 5.2 How do you prepare cytotoxic waste prior to dispose? (30 Marks)
  - 5.3 Briefly explain cytotoxic spill cleanup procedure. (30 Marks)

- 6.
- 6.1 Briefly explain how can you overcome functional barriers in patient counselling. (50 Marks)
- 6.2 Discuss the benefits of effective patient counselling. (50 Marks)

**PART B**

- 7.
- 7.1 Define "Radiopharmaceuticals". (10 Marks)
- 7.2 List three (03) properties of radiopharmaceuticals. (15 Marks)
- 7.3 Briefly describe the functions of cold kits in the preparation of radiopharmaceuticals. (15 Marks)
- 7.4 List three radionuclides used in the diagnostic applications. (15 Marks)
- 7.5 Write the use of beta minus ( $\beta^-$ ) emitter in the therapeutic applications. (15 Marks)
- 7.6 Briefly describe the working principle of the gamma camera. (30 Marks)
- 8.
- 8.1 Write short note on radiation induced chromosomal aberrations. (30 Marks)
- 8.2 Briefly describe the working principle of scintillation detector. (30 Marks)
- 8.3
- 8.3.1 Define equivalent dose in radiation. (10 Marks)
- 8.3.2 Briefly explain why equal dose of neutron radiation cause greater damage to the organ compare to gamma rays. (15 Marks)
- 8.3.3 List the factors that influence on the biological damage of ionizing radiation. (15 Marks)