

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**THIRD YEAR SECOND SEMESTER EXAMINATION – August 2017**  
**PHAHC 3236 HOSPITAL PHARMACY**

**PAPER II**

**Date: 21.08.2017**

**Time: 3 hours**

**Answer all 8 questions.**

**Answer “Part A”, “Part B” and “Part C” in separate answer book.**

**PART - A**

1.
  - 1.1 What is a hospital pharmacy? (15 Marks)
  - 1.2 What are the minimum standard of a hospital pharmacy? (35 Marks)
  - 1.3 Describe the functions of hospital pharmacy. (50 Marks)
  
2. Explain the following, presume you are a pharmacist in a District/Provincial Hospital.
  - 2.1 Procedure adopted when receiving drugs. (30 Marks)
  - 2.2 Methods of storage of drugs. (30 Marks)
  - 2.3 Drug disposal. (40 Marks)
  
3. Explain the following.
  - 3.1 Cold chain maintenance. (30 Marks)
  - 3.2 Refrigerator maintenance in pharmacy. (30 Marks)
  - 3.3 Cold chain monitor card. (50 Marks)
  
4.
  - 4.1 Describe the functions of Medical Supply Division (MSD). (60 Marks)
  - 4.2 Write the importance of “VEN” analysis. (40 Marks)
  
5. Write an account on
  - 5.1 regional drug review committee. (50 Marks)
  - 5.2 tracking and tracing of Pharmaceuticals. (50 Marks)

**PART - B**

6.
  - 6.1 Briefly describe how X-ray is generated? (15 Marks)
  - 6.2 List the properties of X-rays. (15 Marks)
  - 6.3 Explain the “line focusing principle” in X-ray generation. (20 Marks)
  - 6.4 Briefly describe a method to detect the X-radiation. (30 Marks)
  - 6.5 Describe the importance of “tissue weighting factor” in the calculation of effective radiation dose. (20 Marks)

- 7.
- 7.1 Briefly describe the contribution of Compton scattering in gamma camera imaging. (20 Marks)
  - 7.2 Explain the applications of radiopharmaceutical in nuclear medicine imaging. (45 Marks)
  - 7.3 Write short note on radiation induced DNA damage. (35 Marks)

**PART - C**

8. Explain
- 8.1 the seven step method of annual estimation of drugs. (40 marks)
  - 8.2 in detail the reasons for shortages and excess of drugs at hospitals. (30 marks)
  - 8.3 how to overcome the problems mentioned in 8.2. (30 marks)