

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
THIRD YEAR SECOND SEMESTER EXAMINATION – August 2016
PHAHP 3204 HOSPITAL PHARMACY

Date: 18.08.2016

Time: 03 hours

ANSWER ALL EIGHT QUESTIONS. Answer Part A, Part B and Part C in separate answer books.

PART A

- 01.** 1.1 List the different types of hospitals under ministry of health. (30 marks)
 1.2 What are the facilities available in a teaching hospital? (50 marks)
 1.3 Write the criteria for selection of hospitals for developments (40 marks)
- 02.** 2.1 What is 'cold chain'? (30 Marks)
 2.2 Explain cold chain monitor card. (70 Marks)
- 03.** 3.1 Explain different methods of drug distribution system for indoor pharmacy. (60 marks)
 3.2 Briefly explain billing procedure of a prescription. (40 marks)
- 04.** Write an account on:
 4.1 Institutional Drug and Therapeutic Committee. (40 marks)
 4.2 Write-off in stock management. (30 marks)
 4.3 Refrigerator management in Pharmacy. (30 marks)
- 05.** 5.1 VEN Analysis for drug estimation. (35 marks)
 5.2 List the functions of Medical supply division. (35 marks)
 5.3 Explain how excess drugs to be transferred from an institution? (30 marks)

PART B

- 06** 6.1 List the features of ionizing radiation. (15 Marks)
 6.2 What is meant by "isomeric transition"? (10 Marks)
 6.3 Distinguish between gamma and X-radiation. (15 Marks)
 6.4 Define "half value layer" in photon beam attenuation (10 Marks)
 6.5 Explain Compton scattering and its importance in gamma camera imaging. (20 Marks)
 6.6 Briefly explain with a suitable graph and examples for relative predominance (30 Marks)

07.

- 7.1 List the properties of radio tracer used in diagnostic imaging. (25 Marks)
- 7.2 Briefly describe the principle of operation of a scintillation detector in a gamma camera. (20 Marks)
- 7.3 Briefly explain with a suitable diagram for line focusing principle in X-ray production. (30 Marks)
- 7.4 Briefly discuss the long and short term effects of ionizing radiation. (25 Marks)

PART C

08.

- 8.1 What are the reasons for shortage of drugs in hospitals and explain? (50 Marks)
- 8.2 How can we overcome these problems? (50 Marks)