

**NATIONAL UNIVERSITY OF LESOTHO  
DEPARTMENT OF PHARMACY**

**BACHELOR OF PHARMACY (HONOURS)**

**PHA 310 – PHARMACY PRACTICE II**

MAY 2010

TIME: 3 HOURS

MARKS: 100

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**INSTRUCTIONS**

**Section A:** Answer **two** questions [40 marks]

**Section B:** Answer **All** questions [60 marks]

ANSWER EACH QUESTION ON A NEW PAGE

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## **SECTION A**

**[40 MARKS]**

**Instructions:** Answer **two** questions

### **Question one**

**(20 marks)**

Draw a DSM framework. Show and define the different components of the framework and how the components relate to each other.

### **Question two**

**(20 marks)**

- (a) You have been appointed as the Director of Pharmaceuticals in a newly established Pharmaceutical Directorate within the Ministry of Health.

Explain the **three** most critical activities you would facilitate at national level as an initial step towards providing direction in the specific health sector. (15 marks)

- (b) List **two** methods of quantification and give a brief explanation of each. (4 marks)

- (c) Give **one** disadvantage of not quantifying for pharmaceuticals at hospital level. (1 mark)

### **Question three**

**(20 marks)**

- (a) List **five** good supervision practices. (5 marks)

- (b) Define and explain the importance of PMIS in drug supply management. (5marks)

- (c) List five PMIS and explain their importance in drug supply management. (10 marks)

## **SECTION B**

**[60 MARKS]**

**Instructions:** Answer **three** questions

### **Question four**

**(20 marks)**

- a) Give an overview on the differences between large volume and small volume parenteral products. (10 marks)
- b) In hospitals pharmacists are involved in the supply of parenteral products to the hospital wards. What advices should a pharmacist give to nurses who handle these products? (10 marks)

### **Question five**

**(20 marks)**

- a) Contrast the following terms:
  - i. Strip pack and blister pack
  - ii. Single dose and multi-dose containers
  - iii. Sealed and tamper evident containers
  - iv. Primary and secondary containers
  - v. Repackaging and reprocessing (10 marks)
- b) Discuss plastic as a pharmaceutical packaging material. (10 marks)

### **Question six**

**(20 marks)**

- I. Discuss oxygen as a medical gas under the following:
  - a) Storage and distribution (5 marks)
  - b) Counseling for domiciliary use. (5 marks)
- II. Write short notes on two different systems of supplying a hospital with medical gases. Discuss the role of the pharmacist in each system. (10 marks)

### **Question seven**

**(20 marks)**

Management of drug use and dependence involves a number of professionals who form the care team. Please discuss the role of a pharmacist in drug dependence. You should focus mainly on needle and syringe exchange and dispensing services.

