

THE OPEN UNIVERSITY OF SRI LANKA  
FACULTY OF HEALTH SCIENCES  
DEPARTMENT OF PHARMACY  
ACADEMIC YEAR 2018/2019 – SEMESTER II



BACHELOR OF PHARMACY HONOURS  
FMU6304 – CLINICAL PHARMACY II – LEVEL 6  
FINAL EXAMINATION  
DURATION: THREE HOURS

DATE: 08<sup>th</sup> NOVEMBER 2019

TIME: 9.30 A.M. - 12.30 P.M.

Part B – Short Answer Question (20 marks)

1.

1.1 Define the term 'parenteral nutrition' (04 marks)

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1.2 List three (03) roles of pharmacists in the use of parenteral nutrition. (06 marks)

1. ....
2. ....
3. ....

2. Write one (01) specific antidote for the following. (10 marks)

- a) Benzodiazepines.....
- b) Anticholinergics.....
- c) Iron.....
- d) Paracetamol.....
- e) Digoxin.....



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**Part C – 04 Structured Essay Questions (60 marks)**

1. IV fluids are administered to patients with inadequate oral intake for daily requirements.
  - 1.1. List **four (04)** risks of having an IV line to administer fluids and electrolytes. (02 marks)
  - 1.2. Write in brief how you, as a clinical pharmacist, would assess and monitor the hydration status of a patient? (05 marks)
  - 1.3. List **four (04)** signs of hyperkalaemia. (02 marks)
  - 1.4. Briefly describe the different strategies of the management of hyperkalaemia. (06 marks)
2. Pregnant mothers, geriatric and paediatric patients need special care from the health care professionals in order to ensure safe drug use.
  - 2.1. List **four (04)** contributing factors for drug related problems among geriatric patients. (02 marks)
  - 2.2. Briefly explain the reason for the high risk of systemic absorption from topical route of drug administration in paediatric patients compared to adults? (04 marks)
  - 2.3. What is a teratogenic agent? (03 marks)
  - 2.4. Briefly describe the role of a clinical pharmacist in the safe use of medicines among paediatric patients (06 marks)
3. A physician wants to know whether Clopidogrel is safer than low dose Aspirin in patients above 65 years for the management of Ischaemic Heart Diseases.
  - 3.1. Formulate a clinical question to find evidence on the above problem. (02 marks)
  - 3.2. Briefly explain how would you find the evidence to answer the question formulated in 3.1. (05 marks)
  - 3.3. Briefly describe how would you appraise the evidence gathered. (06 marks)
  - 3.4. Write four (04) limitations of Evidence Based Medicine (EBM). (02 marks)

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4. The development of drug information centers and drug information specialists was the beginning of the clinical pharmacy concept.

4.1. Briefly explain the services provided by a drug information center. (07 marks)

4.2. A physician directs the following question to the drug information center.

“Which narcotic is safe to use in a patient with a codeine allergy?”

4.2.1. Write the additional information you would obtain from the physician. (04 marks)

4.2.2. Briefly describe how would you find the necessary information to answer the question (04 marks)