

UNIVERSITY OF JAFFNA, SRI LANKA  
BACHELOR OF SCIENCE IN NURSING  
SECOND YEAR FIRST SEMESTER EXAMINATION—October 2019  
PHARMACOLOGY I – NURPH 2143

Paper II

Date: 07.11.2019

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.
  - 1.1. Explain the term “oral bioavailability”? (10 Marks)
  - 1.2. Explain the factors that affect the oral bioavailability of drugs. (30 Marks)
  - 1.3. List five (05) different oral dosage forms. (20 Marks)
  - 1.4. Describe the advantages and disadvantages of oral drugs. (40 Marks)
  
2.
  - 2.1. Briefly explain the mechanism of action of penicillins. (10 Marks)
  - 2.2. Classify penicillins with examples. (30 Marks)
  - 2.3. List five (05) indications of penicillins. Mention the penicillin of choice for each indication. (25 Marks)
  - 2.4. Name the most serious adverse effect of penicillins. (05 Marks)
  - 2.5. Explain the signs and symptoms of the condition mentioned in 2.4. (15 Marks)
  - 2.6. Name the three drugs that are used to treat the condition mentioned in 2.4. (15 Marks)
  
3.
  - 3.1. Outline the mechanism of action of organophosphate. (10 Marks)
  - 3.2. Explain the signs and symptoms of organophosphate poisoning (60 Marks)
  - 3.3. Name two (02) antidotes for organophosphate. (10 Marks)
  - 3.4. Explain the rationale for using the drugs mentioned in 3.3. in the treatment of organophosphate poisoning. (20 Marks)
  
4. Write the advice to be given to patients regarding the following.
  - 4.1. Sublingual glyceryltrinitrate tablets (30 Marks)
  - 4.2. Warfarin (40 Marks)
  - 4.3. Oral furosemide prescribed twice daily. (30 Marks)