NUMS 823

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN NURSING

NUMS 823: ADVANCED PHARMACOLOGY I

STREAMS: MSC NURSING

TIME: 3 HOURS

DAY/DATE: FRIDAY 9/8/2019

8.30 A.M - 11.30 A.M.

INSTRUCTIONS

- Answer **ANY FIVE** (5) Questions
- Do not write anything on the question paper
- Mobile phones and any other reference material are NOT allowed in the examination room
- Number all your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.
- 1. (a) Describe drug development process.
 - (b) Different therapeutic approaches can be used to manage different disease conditions. Explain how you would manage a small child brought to emergency room suffering from pneumonia using empiric therapy.
- 2. (a) Explain five (5) clinical situations where prophylactic antibiotics are indicated. [10 Marks]
 - (b) Describe the clinical uses, route of administration, mechanism of action and side effects of the "azoles" group of antiprotozoal compounds. [10 Marks]
- 3. (a) Explain four classes of **antiretroviral** drugs used in management of HIV/AIDS clearly outlining their mechanism of action, side effects and two examples in each class.

[10 Marks]

[10 Marks]

(b) Discuss the mechanism of action, side effects and main clinical indications of **albendazole.** [10 Marks]

NUMS 823

4. (a) Describe the mechanism of action, clinical uses, route(s) of administration and major side effects of **Tetracyclines.** [10 Marks]

(b) Discuss the use of drugs in the treatment of Tuberculosis, focusing on the mechanism of action and main side effect of any FOUR main drugs used in treatment of Tuberculosis.

[10 Marks]

[5 Marks] [5 Marks] [5 Marks] [5 Marks]	
6. (a) (i) Classify fluoroquinolones according to their spectrum of activity, giving relevant	
[41⁄2 Marks]	
[5½ Marks]	
(b) Discuss Chiropractic and its use as a better alternative to contemporary medicine. [10 Marks]	
l side effects [10 Marks]	