



**DEPARTMENT OF NURSING SCIENCE,
FACULTY OF HEALTH SCIENCES,
NATIONAL OPEN UNIVERSITY OF NIGERIA
2018/2019 Academic Session**

COURSE TITLE: CLINICAL PHARMACOLOGY AND CHEMOTHERAPY

COURSE CODE; NSC307

TOTAL SCORE:70%

INSTRUCTIONS: ANSWER ALL QUESTIONS TIME; 2hours

ESSAY QUESTIONS

- 1(a) State the approaches involved in the launching of a new drug.
(4mks)
- (b) Explain the following stages of approval for therapeutic and biologic drugs:
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| (i) Drug Screening | (4marks) |
| (ii) Preclinical Safety and Toxicity Testing | (4marks) |
| (iii) Evaluation in Humans and Clinical Trials | (8marks) |
2. Using your knowledge of the aetiology and pathogenesis of peptic ulcer disease, discuss in detail the indication, pharmacokinetics, dosages and contraindication of the following classes of drug employed in the treatment of peptic ulcer.
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| (a) Antacids | (10mks) |
| (b) H ₂ -Receptor Antagonists | (6mks) |
| (c) Proton Pump Inhibitor | (7mks) |
| (d) Mucosal Protective Agents | (7mks) |
3. (a) What are antibiotics? (2mks)
- (b) Describe the mechanism of action, pharmacokinetics, clinical uses and adverse reactions of the following classes of antibiotics:
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|----------------------|--------|
| (i) Fluoroquinolones | (9mks) |
| (ii) Penicillins | (9mks) |