

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

DIVISION OF CLINICAL PRACTICE AND PATIENT CARE

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE

PART IV FINAL EXAMINATION

MCP 4004 : CLINICAL PHARMACOLOGY PAPER II

DATE : JULY 2009

TIME : 3 HOURS

Instructions to Candidates

Answer all questions

1. Outline the classes of anti-arrhythmic agents giving mechanism of action, and **two** drug examples and **one** drug adverse effect. (15)
2. a) What is Intermittent Preventive Therapy (IPT) in malaria? (3)
b) Which 5 groups of people would you recommend for malaria prophylaxis? (3)
c) Who should receive anti-malarial treatment? (2)

- d) What is the first line anti-malaria drug in Zimbabwe? Which class does it belong to? Give one of its drug adverse effects and 3 drug advantages? (5)
- e) A 24 year old pregnant woman in her first trimester comes to Mpilo casualty with uncomplicated malaria. Which anti-malaria drug would you give and why? (5)
- f) What would you give to a 2 year old who has returned to the hospital with persistent symptoms of malaria? (2)
3. a) Write short notes on WHO clinical staging for HIV/AIDS for adults and adolescents . (10)
- b) Write short notes on monitoring of efficacy of anti-retroviral therapy (ART). (10)
- c) Comment on the use of corticosteroids in TB management. (5)
4. Outline 5 classes of drugs used in the management of asthma giving their mechanism of action, 2 drug examples and drug adverse effects. (15)
5. A young woman on the contraceptive pill is found to have TB. She is started on treatment and suffers contraceptive failure. Briefly, comment. (5)
- b) A young woman on the contraceptive pill is found to have pneumonia. She is started on treatment with amoxicillin and suffers contraceptive failure. Briefly, comment. (5)
6. Write short notes on the approach of empiric antimicrobial therapy and factors that influence choice of antimicrobial therapy. (15)

End of Examination