**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF FIRST BLOCK EXAMINATION**

**MARCH 2012 KRCHN CLASS (PRE-SERVICE)**

**PHARMACOLOGY**

DATE: 19/3/2013 TIME: .....................

**INSTRUCTIONS**

1. Enter your examination number and question number on each page used.
2. ALL questions are compulsory.
3. For part 1 (MCQs), write the answer in the spaces provided on the answer booklet.
4. Omission of and or wrong numbering of a question or part of the question will result in 10% deduction of the marks scored from the relevant part.
5. Do NOT use a pencil.
6. Mobile phones are NOT allowed in the examination hall.

**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) – 10 MARKS**

Q.1. Adverse reaction to a drug is more common in the elderly than in younger adults due to the fact that:-

1. The immune system in the elderly is weakened.
2. Elderly persons at times forget to take drugs as prescribed.
3. Elderly person often need several drugs at the same time.
4. Due to aging, elderly persons naturally react to drugs.

Q. 2. Which of the following best describes the mode of action of antibiotics:-

1. They must be taken with plenty of fluids.
2. They are bacteriocidal and others are bacteriostatic.
3. They are desiccants to all microorganisms.
4. They work best in alkaline conditions.

Q. 3. Which of the following antibiotics belong to the class of quinolones:-

1. cephalexin.
2. Nitrofurantoin.
3. Melphalan.
4. Ciprofloxacin.

Q. 4. Which of the following statements is not true about aminoglycosides:-

1. They can be given through any route.
2. They are poorly absorbed through the gastrointestinal tract.
3. They are all excreted through the kidneys and renal impairment causes accumulation.
4. They are generally oto-toxic.

Q. 5. Which of the following anti retrovirals is an example of nucleoside reverse transcriptase inhibitors:-

1. Abacavir.
2. Acyclovir.
3. Indinavir.
4. Ritonavir.

Q. 6. Which of the following anti-convulsants is associated with gingival hyperplasia:-

1. Lorazepam.
2. Phenobarbitone.
3. Phenytoin.
4. Carbamazepine.

Q. 7. A 40 year old alcoholic has decided to abstain from alcohol. Liver function tests are normal, shortly after abstaining he becomes agitated, anxious and has visual hallucinations.

Which of the following drugs will be administered to manage these signs and symptoms:-

1. Amitriptyline.
2. Carbamazepine.
3. Disulfiram.
4. Diazepam.

Q. 8. Which of the following is an indication of pancuronium:-

1. Bronchitis.
2. Smooth muscle relaxation.
3. An adjunct to general anaesthesia.
4. Bronchial asthma.

Q. 9. Which of the following is non-opioid analgesic:-

1. Morphine.
2. Diclofenac.
3. Heroine.
4. Codeine.

Q.10. Which of the following is not a side effect of amphetamine:-

1. Stunted growth in young people.
2. Anxiety.
3. Bone marrow depression.
4. Bone marrow hyperplasia.

**PART TWO: SHORT ANSWER QUESTIONS – 30 MARKS**

Q.1. Fill in the following missing spaces.

 **Drug class indication**

1. Chlopromazine ...................... ..................................
2. Phenytoin sodium ....................... ...................................
3. Metronidazole ....................... . ..................................
4. Erythromycin ....................... . ..................................
5. Theophyline ....................... . .................................. 10 marks

Q.4. Define the following:-

1. Idiosyncrasy
2. Addiction
3. Dose
4. Drug intolerance
5. Pharmacology 10 marks

Q.5. List five (5) classes of antibiotics and give one example of each. 10 marks