**REVISION QUESTIONS**

 **Pharmacology and therapeutics 1**

1. a) Every drug has 3 names ,discuss

b) Discuss the branches of pharmacology

c) Outline the different sources of drugs giving examples

d) What are the factors to consider before treating patients with drugs

e) Differentiate adherence and compliance

f) How can we prevent poor adherence and compliance

1. a) Outline the processes involved in pharmacokinetics

b) Discuss the movement of drugs across the cell membrane and the methods involved.

c) What are the phases of drug metabolism

d) Define the following terms

- half life of a drug

- 1st pass metabolism

e) Factors affecting the rate of absorption include?

1. a) Differentiate between agonist and antagonist

b) Outline the difference between competitive antagonist and non-competitive antagonist

c) What is a receptor? Discuss the different types of receptor families.

d) What is down regulation and up regulation in relation to receptors?

e) Define the following terms

- potency

- efficacy

- dose

1. a) Differentiate between adverse drug reaction (ADR) and side effect

b) What are the different types of ADRs

c) Discuss the following adverse effects

- Idiosyncrasy

- Teratogenicity

- Drug intolerance

d) How can we prevent ADRs

e) what causes unwanted drug effects

f) define pharmacovigilance

1. a) Giving examples discuss the major classification of amoebicides

b) Discuss metronidazole under the following:

- MOA

- ADME

- Indications and contraindications

- dosage

c) List the drugs used in management of leishmaniasis

d) What are the 1st line drugs for the management of uncomplicated and severe malaria respectively in Kenya?

e) Discuss the MOA and adverse effects of quinine

6. a) List the drugs used in the management of trypanosomiasis

 b) Discuss mebendazole under the following

* MOA
* ADME
* Indications and contraindications
* Dosage

 c) What is the 1st choice and alternate drugs for

. Intestinal round worms

. Trematodes

. Filariasis

. trematodes

d) Outline the side effects of ivermectin

e) Discuss the MOA of praziquantel and indications