

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**RESIT/SPECIAL EXAMINATION**

**SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF**

**BACHELOR OF SCIENCE (NURSING)**

**NURU228 : PHARMACOLOGY II SUPPLEMENTARY EXAM.**

**STREAMS: Bsc Nursing (Upgrading)Y2T1**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 06/05/2021**

**2.30 P.M – 4.30 P.M**

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**INSTRUCTIONS:**

- **Do not write anything on the question paper.**
- **Mobile phones and any other reference materials are NOT allowed in the examination room.**
- **The paper has THREE sections. Answer ALL questions**
- **All your answers for Section I (MCQs) should be on one page.**
- **Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.**

**MULTIPLE CHOICE QUESTIONS 10 Marks**

1. Epinephrine added to a solution of lidocaine for a peripheral nerve block will

- (a) Increase the risk of convulsions
- (b) Increase the duration of anesthetic action of the local anesthetic.
- (c) prevent side effects associated with lidocain.

(d) Will minimize local metabolism of lidocain

2. Which of the following antimalarial drugs have gametocidal effect:

a. Mefloquine   b. Primaquine   c. Doxycycline   d. Sulfonamides

3. A patient receiving an anticholinergic agent to treat nausea and vomiting should be taught to expect which of the following side effects?

- a. Diarrhea
- b. Lacrimation
- c. Dry mouth
- d. Bradycardia

4. The nurse is obtaining a medication history from an 18-year-old female patient who has been diagnosed with genital herpes. Which of the following drugs would the nurse expect this patient to be prescribed?

- a. amantadine (Symmetrel)
- b. acyclovir (Zovirax)
- c. zidovudine (Retrovir)
- d. ribavirin (Virazole)

5. A patient is admitted to the emergency department with an overdose of a benzodiazepine. The nurse immediately prepares to administer which of the following antidotes from the emergency drug cart?

- a. naloxone
- b. naltrexone
- c. nalmefene
- d. flumazenil

6. Which of the following drugs is used in leishmaniasis treatment:

- a. Pyrimethamine    b. Albendazole    c. Sodium stibogluconate    d. Tinidazole

7. All of the following statements about stool softeners are true EXCEPT

- (a) There is minimal systemic absorption
- (b) the onset of action is usually 1–2 days
- (c) they are useful in patients with constipation who have experienced an acute myocardial infarction
- (d) they can be taken with little or no water

8. The primary mechanism of action of local anesthetics is:

- a) Activation of ligand-gated potassium channels
- b) Blockade of voltage-gated sodium channels
- c) Stimulation of voltage-gated N-type calcium channels
- d) Blockade the GABA-gated chloride channels

9. While teaching a patient newly diagnosed with a seizure disorder, the nurse correctly states the goal of pharmacologic therapy as:

- a. Eradicating all seizure activity and then weaning off medication once the patient is seizure free for 3 months
- b. Reducing seizure occurrence to one per week
- c. Maximally reducing seizure activity while minimizing side effects of medication therapy
- d. Maximizing drug dosages to control seizure activity

10. Established clinical uses of which of the following drugs include enuresis and chronic pain

(a) Bupropion (b) Fluvoxamine (c) Imipramine (d) Phenelzine

**SHORT ANSWER QUESTIONS 30 MARKS**

1. State two (2) clinical indications of each of the following;

a. Niclosamide

b. Metronidazole

c. Praziquantel ( 6 marks)

2. State four (4) clinical uses of each of the following;

(a) Sedative hypnotics (4marks)

(b) Opioid analgesics ( 4marks)

(c) non-steroidal anti-inflammatory drugs (4marks)

3. Briefly explain three (3) classes of drugs you could use in management of peptic ulcers associated with hyperacidity giving example of drugs in each class. (6 marks)

4. With examples outline three (3) classes of drugs that can be used in management of depression. (6marks)

**ESSAY QUESTIONS 30 MARKS**

1. Briefly explain four classes of drugs that can be used in management of parkinsonism clearly indicating their mechanism of action. (8marks)

2. Explain giving examples, any four (4) classes of drugs used in management of hypertension. (12marks)