



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
BACHELOR OF SCIENCE IN NURSING
END OF JANUARY-APRIL SEMESTER 2023 EXAMINATIONS**

COURSE CODE AND TITLE: BSN 222 PHARMACOLOGY

DATE: 5th April 2023

Duration: 2 HOURS

Start: 9:00 AM

Finish: 11:00 AM

INSTRUCTIONS

1. This exam is out of 70 marks
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 marks) Section II: Short Answer Questions (30 marks) and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions.
4. Do Not write anything on the question paper -use the back of your booklet for rough work if need be.

SECTION I: MULTIPLE CHOICE QUESTIONS

(20 MARKS)

1. A relatively pure alfa agonist causes all of the following effects EXCEPT: -
 - a) Increase peripheral arterial resistance
 - b) Increase venous return
 - c) Has no effect on blood vessels
 - d) Reflex bradycardia
2. Epinephrine is used in the treatment of all of the following disorders EXCEPT: -
 - a) Bronchospasm
 - b) Anaphylactic shock
 - c) Cardiac arrhythmias
 - d) Open-angle glaucoma
3. The following drug is a nonselective beta receptor antagonist: -
 - a) Metoprolol
 - b) Atenolol
 - c) Propranolol
 - d) Acebutolol
4. A beta receptor antagonist which has very long duration of action is: -
 - a) Metoprolol
 - b) Propranolol
 - c) Nadolol
 - d) Pindolol
5. The following benzodiazepines is used mainly for hypnosis: -
 - a) Clonazepam
 - b) Lorazepam
 - c) Flurazepam
 - d) Midazolam
6. The most effective drug for stopping generalized tonic-clonic status epilepticus in adults is: -
 - a) Lamotrigine
 - b) Ethosuximide
 - c) Diazepam
 - d) Zonisamide
7. Aspirin is used prophylactically for: -
 - a) Noncardiogenic pulmonary edema

- b) Peptic ulcers
 - c) Thromboembolism
 - d) Metabolic acidosis
8. An atypical antipsychotic drug is: -
- a) Haloperidol
 - b) Clozapine
 - c) Thioridazine
 - d) Thiothixene
9. An antipsychotic drug having a muscarinic-cholinergic blocking activity is: -
- a) Chlorpromazine
 - b) Clorprothixene
 - c) Risperidone
 - d) Haloperidol
10. The following antidepressant is a selective serotonin reuptake inhibitor: -
- a) Phenelzine
 - b) Desipramine
 - c) Maprotiline
 - d) Fluoxetine
11. An example of leukotriene receptor antagonist is: -
- a) Sodium cromoglycate
 - b) Zafirlucast
 - c) Zileutin
 - d) Triamcinolone
12. Choose the drug which is a H₂-receptor antagonist: -
- a) Omeprazole
 - b) Pirenzepine
 - c) Carbenoxolone
 - d) Ranitidine
13. The drug that may cause metabolic alkalosis is: -
- a) Sodium bicarbonate
 - b) Cimetidine
 - c) Pepto-Bismol
 - d) Carbenoxolone
14. The drug belonging to anticoagulants of direct action is: -
- a) Aspirin
 - b) Heparin
 - c) Dicumarol

d) Phenprocoumon

15. The non-glycoside positive inotropic drug is: -

- a) Digoxin
- b) Strophantin K
- c) Dobutamine
- d) Digitoxin

16. This drug is a Class IA antiarrhythmic drug: -

- a) Sotalol
- b) Propranolol
- c) Verapamil
- d) Quinidine

17. All of the following calcium channel blockers are useful in the treatment of cardiac arrhythmias EXCEPT: -

- a) Bepridil
- b) Diltiazem
- c) Verapamil
- d) Nifedipine

18. This drug is contraindicated in patients with bronchial asthma: -

- a) Propranolol
- b) Clonidine
- c) Enalapril
- d) Nifedipine

19. An endocrine drug which is an amino acid derivative is: -

- a) Insulin
- b) Hydrocortisone
- c) Calcitonin
- d) Thyroxine

20. Currently used oral hypoglycemic thiazolidinediones include the following, EXCEPT; -

- a) Pioglitazone (Actos)
- b) Rosiglitazone (Avandia)
- c) Troglitazone (Rezulin)
- d) All of the above

SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)

1. Briefly outline the mechanism of action of Tetracyclines
(4Marks) (4)
2. Explain the mechanism of action of terbinafine
Marks)
3. Outline five (5) major beneficial effects of Angiotensin convertase enzyme inhibitors in heart failure
(5marks)
4. Stating examples classify the different types of laxatives
(6marks)
5. State three (3) pharmacologic properties of antipsychotics
marks) (3)
6. State five (5) contraindications of estrogen therapy
(5marks)
7. Outline the mechanism of action of biguanides
marks) (3)

SECTION III: LONG ANSWER QUESTION – (20 MARKS)

1. Briefly discuss five (5) complications of insulin therapy
Marks) (10)
2. Stating examples classify the different inflammatory agents we use in asthma management
(10
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