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DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS
 COLLEGE OF MEDICINE, UNIVERSITY OF NIGERIA
 MB BS DEGREE SECOND CLASS ASSESSMENT (2014 CLASS)
 PART I: ESSAY QUESTIONS. FRIDAY 5TH APRIL 2012, 9 AM - 12 NOON

INSTRUCTIONS (READ CAREFULLY)

Answer FIVE questions only. Time allowed: 3 hours.
 You must write your registration number, your departmental serial number (the same number that was used for the assessment) on every single answer sheet that you submit for marking.
YOU WILL SCORE ZERO MARKS FOR ALL ANSWER SHEETS AND SCRIPTS WITHOUT YOUR REG NO., SERIAL NO. AND EXAM NO.

1. A) Classify with examples the various types of epileptic seizures and their pharmacotherapy with emphasis on mechanism of action and adverse effects.
 B) Write short notes on any two of the following
 - i) Drug treatment of migraine
 - ii) Adverse effects of chlorpromazine
 - iii) Polypeptide antibiotics
 - iv) Use in ophthalmology of drugs which affect cholinergic transmission.
2. a) Discuss antipsychotic drugs in relation to dopaminergic neurotransmission and associated adverse effects.
 b) Discuss the alcohols explaining their paradoxical beneficial effects and known acute and chronic deleterious effects.
3. A) Write short succinct essays on the following topics:
 - i) Drug treatment of movement disorders
 - ii) Drug causes and treatments of cardiac arrhythmias
 B) Write short notes on four of the following drugs:
 - i) Enoxaparin
 - ii) Sildenafil → *phosphodiesterase inhibitor*
 - iii) Ofloxacin → *2nd gen fluoroquinolone*
 - iv) Obidoxime → *anticholinergic*
 - v) Felodipine → *calcium channel blocker*
4. A) Describe and discuss the adverse effects of prednisolone. What precautions would help to reduce the side effects of glucocorticoid therapy?
 B) Write short notes on (i) Biguanides (ii) Thiazolidinediones.
5. Write on two of the following topics
 - A) Classify the quinolones and give details of their therapeutic uses
 - B) Discuss the mechanism of action, clinical uses, and adverse effects of furosemide.
 - C) Highlight appropriate drug combinations (and duration of therapy) for elimination of *Helicobacter pylori* infection in chronic gastric ulcer patient.
6. Write on two of the following topics
 - A) A 35 year old woman was diagnosed with right breast carcinoma, stage 2. Discuss the clinical use of antineoplastic relevant to her disease condition.
 - B) Give an outline of drugs used in treating systemic hypertensive urgencies and emergencies.
 - C) Discuss the drugs useful in the treatment of hypercholesterolemia, outlining their classification, mechanism of action and adverse effects.
7. A) Write notes on two of the following
 - i) Second messengers and their therapeutic relevance.
 - ii) Combination antimicrobial chemotherapy
 - iii) Endocrine negative and positive feed-back mechanisms. (Discuss their therapeutic relevance.)
 B) Discuss the mechanism of action, indications and adverse effects of macrolide antimicrobials.

Handwritten notes:
 Nitrate
 PPAR
 Nitrate
 PPAR

Handwritten notes:
 Vasopressin
 Adverse
 Effects

Handwritten notes:
 HMG
 Diarrhea

Handwritten note:
 Nitrate

1/11/2011
MAY, 2011

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS
COLLEGE OF MEDICINE, UNIVERSITY OF NIGERIA
3RD MB BS DEGREE CLASS ASSESSMENT/ MOCK EXAMINATION (2013 CLASS)
FRIDAY 8TH APRIL 2011 FROM 9AM UNTIL 12 NOON
PAPER I: ESSAY QUESTIONS

(B)

INSTRUCTIONS (READ CAREFULLY)

- Answer all FIVE questions. Time allowed: 3 hours
- You must write your registration number, departmental serial number and faculty examination number on every single answer sheet that you submit for marking.
- YOU WILL SCORE ZERO MARKS FOR ALL ANSWER SHEETS AND SCRIPTS WITHOUT YOUR REG NO., SERIAL NO. AND EXAM NO.**

1. Write on TWO of the following topics:

- a. Uses and contraindications of oestrogen antagonists
- b. Drug-induced Parkinson's disease
- c. Saline and osmotic laxatives

2. Describe and discuss FOUR of the following as they relate to the control of malaria

- a. Artemisinin-based combination therapy
- b. Chemo-prophylaxis
- c. Intermittent preventive treatment of malaria in pregnancy (IPTp)
- d. Compare and contrast tissue and blood schizonticides
- e. Environmental measures and bed nets

3. Answer ONE of the following topics:

- a) Describe drug treatment of systemic arterial hypertension with emphasis on the mechanism of actions and adverse effects of drugs mentioned
- b) Describe drug treatment of pulmonary arterial hypertension with emphasis on the mechanism of actions and adverse effects of drugs mentioned

4. Answer both sections a) and b).

- a) Discuss drug resistance. What genetic factors can precipitate this phenomenon? What are practices that can slow or accelerate this process?
- b) Write an essay on oral antidiabetic drugs

5. Write on ONE of the following topics

- a) Discuss the autacoids and therapeutic indications and contra indications for autacoid agonist and antagonist analogues.
- b) What are the causes of and therapeutic approaches to hyperthyroidism?

Loop Diuretics

- Furosemide
- Bumetanide
- Ethacrynic acid
- Torsemide
- Acetazolamide
- Mannitol
- Osmotic
- Saline

Thiazides

- Hydrochlorothiazide
- Acetazolamide
- Mannitol
- Osmotic
- Saline

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

COLLEGE OF MEDICINE, UNIVERSITY OF NIGERIA

3RD MB BS DEGREE MAIN/ RESIT EXAMINATION (2013 CLASS)

PAPER I: ESSAY QUESTIONS.

FRIDAY 5TH MAY 2011, 9AM - 12 NOON

INSTRUCTIONS (READ CAREFULLY)

Answer **FIVE** questions only. Time allowed: 3 hours.

You must write your registration number, your departmental serial number (used for the mock exam) and your faculty examination number on every single answer sheet that you submit for marking.

YOU WILL SCORE ZERO MARKS FOR ALL ANSWER SHEETS AND SCRIPTS WITHOUT YOUR REG NO., SERIAL NO. AND EXAM NO.

1. Write on two of the following topics:

- a) The treatment and control of onchocerciasis
- b) Modalities of resistance of *Plasmodium* species to antimalarial agents and methods/ strategies to deal with the problem of antimalarial drug resistance
- c) The principles of rational use of anti-infective chemotherapy

1/2/11
1/2/11

2. Answer both questions below:

- a. Discuss the treatment of Tuberculosis, including adverse effects of drugs you mention.
- b. Highlight with drug examples the classes of drugs used for the treatment of Bronchial asthma and their mechanism of action.

3. Write an essay on the drug treatment of movement disorders/ diseases. Which drugs may cause these movement disorders?

4. Answer both questions below:

- a) How would you measure, and what are the units to estimate the amount of intravenous and inhalational anaesthetic agents in the body? Discuss an ideal inhalational anesthetic.
- b) There was a high mortality (especially among children) recently in the State of Zamfara. What were the children mining? Discuss lead poisoning and how it may be treated.

A.M.S
4/4

5. Write an essay on two of the following topics:

- a. Hormonal disorders of the hypothalamus and pituitary gland and their treatment
- b. Parathyroid hormone disorders and their treatment
- c. Drug used in the treatment of angina pectoris

1/2/11
1/2/11
1/2/11

6. Answer both questions:

- a. Briefly describe how you will compare the effective doses of two drugs (A and B) in a named animal model.
- b. Discuss the mechanisms of action, uses, adverse effects and contra-indications of potassium-sparing diuretics.

1/2/11
1/2/11

1/2/11
1/2/11

1/2/11
1/2/11

acetyl choline

seligilina, etomidate, remox, suxam, mivacurium, rocuronium, vecuronium

ACEI, angiotensin receptor antagonist, etomidate, fentanyl, morphine

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS
COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS
2ND OCTOBER, 2009

RESIT EXAMINATION
PAPER II (ESSAY QUESTIONS)
TIME ALLOWED: Three (3) Hours

INSTRUCTIONS:

Answer FIVE questions of your choice. Make sure that you write your registration number, Pharm number and your examination number (Faculty number) at the top of every single page in your answer scripts. Scripts without these numbers may not be marked. Begin the answer to each question on a separate sheet of paper.

1. Discuss drug resistance. What genetic factors can precipitate this phenomenon? What are practices that can slow or accelerate this process?
2. Describe the chemotherapy and chemoprophylaxis of:
 - a. Malaria in pregnant women
 - b. Malaria in children
 - c. Onchocerciasis
 - d. Filariasis
3. Discuss:
 - a. The pharmacology of class I antiarrhythmic agents
 - b. Cardiac inotropic drugs in congestive heart failure
4. Briefly discuss the mechanism of action, clinical uses, and adverse effects of Oestrogens.
5. Write short notes on:
 - a. Drugs used in the management of thyroid crisis
 - b. Drugs used in the treatment of Prinzmetal's angina
 - c. Side effects of cancer chemotherapy
 - d. Flumazenil
6. Write short notes on:
 - a. Mechanism of action of tetracyclines
 - b. Adverse effects of sulphonamides
 - c. Drug interactions related to ethyl alcohol
 - d. Clinical trials

1st class

9:45
12:45

DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS, COLLEGE OF MEDICINE, UNIVERSITY OF NIGERIA. 3RD MB BS DEGREE: MAIN/ RESIT EXAMINATION (2018 CLASS), TUESDAY 3RD MAY 2016. PAPER I: ESSAY QUESTIONS Time allowed: 3 hours (9am - 12pm)

INSTRUCTIONS (READ CAREFULLY)

Answer FIVE sub-questions only i.e. either A) OR B). Answer each sub-question on separate sheets of paper. You must write your registration number, departmental serial number and your examination number on every sheet that you submit for marking. ONE OF THESE NUMBERS MUST BE THE SAME NUMBER USED FOR THE FIRST CLASS ASSESSMENT. YOU WILL NOT SCORE ANY MARKS FOR ANSWER SHEETS AND SCRIPTS WITHOUT YOUR REG NO., SERIAL NO. AND EXAM NO.

1. Answer ONE of the following:

A) Classify the drugs used in the treatment of Parkinsonism. Give an example of each drug class and discuss its mechanism of action. State four recognized adverse reactions to each example drug.

OR

B) WRITE short notes on any four of the following: a. Clinical uses and adverse effects of sulphonamides b. Edrophonium c. Antifungal classification based on mechanism of action d. Homatropine e. Pralidoxime

classes

2. Answer ONE of the following:

A) Write comprehensively on the following:

- a. Mechanism of action and therapeutic uses of oestrogens and progestins
- b. Mechanism of action and adverse effects of chloramphenicol.

OR

B) Describe five strategies employed in managing toxicities secondary to use of cytotoxic drugs.

3. Answer ONE of the following:

- A) Write short notes on: 1. Management of Penicillin allergy 2. Ergometrine
- 3. Management of hypertensive emergency 4. Drug toxicity to the heart

OR

B) Discuss (with examples) drug classes in the treatment of arrhythmia. Describe mechanisms of action in relation to ionic movements and cardiac conduction velocity.

4. Answer ONE of the following:

- A) 1. Discuss malaria chemoprophylaxis and its rationale.
- 2. Discuss malaria recrudescence and treatment failure: how and why do these occur?

OR

B) a. Discuss Class I antiarrhythmic drugs showing how they have been classified into three subclasses. b. Discuss drug treatment of congestive heart failure with emphasis on the mechanism of action and adverse effects of the drugs mentioned.

5. Answer ONE of the following:

A) Discuss the management of pulmonary tuberculosis.

OR

B) (a) Outline, with specific examples, the drug treatment of uncomplicated type 2 diabetes mellitus in a 50 year old Nigerian patient.

(b) Give a concise account of the mechanism, clinical features and management of addiction to opiates.

5
Intradermal
Cause
Drugs
lit line
2nd line
Duration
DOT

RIPES

Atypical
signs
Monitoring

Examples
IPT
ACT
Rational
Eudismicly
immunosuppression
travellers

DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS, COLLEGE OF MEDICINE, UNIVERSITY OF NIGERIA. 3RD MB BS DEGREE: SECOND CLASS ASSESSMENT (2018 CLASS), MONDAY 18TH APRIL 2016.
PAPER I: ESSAY QUESTIONS Time allowed: 3 hours (9am - 12pm)

INSTRUCTIONS (READ CAREFULLY)

Answer FIVE sub-questions only i.e. either A) OR B). Answer each sub-question on separate sheets of paper. You must write your registration number, departmental serial number and your examination number on every sheet that you submit for marking. ONE OF THESE NUMBERS MUST BE THE SAME NUMBER USED FOR THE FIRST CLASS ASSESSMENT. YOU WILL NOT SCORE ANY MARKS FOR ANSWER SHEETS AND SCRIPTS WITHOUT YOUR REG NO., SERIAL NO. AND EXAM NO.

1. Answer ONE of the following:

A) Discuss and classify the drug treatment of angina pectoris describing the mechanism of action and adverse effects of each group of drugs mentioned.

OR

B) a) Give the current classification of seizures, describing the features of each class.

drug treatment

AND b) Discuss the mechanism of action and adverse effects of two drugs that are indicated for each class of seizures.

2. Answer ONE of the following:

A) Discuss the pharmacology of the aminoglycoside antibiotics with emphasis on mechanism of action, clinical applications and adverse effects.

OR

B) Discuss the mechanisms, features and treatment of poisoning due to paracetamol overdose.

3. Answer ONE of the following:

A) Discuss clinical trials of drugs with emphasis on the phases, and on activities and results at each phase.

OR

B) Write extensively on the following:

a. Mechanism of action and therapeutic uses of oestrogens

AND b. Mechanism of action and adverse effects of chloramphenicol.

4. Answer ONE of the following:

A) Discuss comprehensively any two of the following: a) Lithium b) Chlorpromazine
c) Aminophylline. d) Rifampicin

OR

B) Give a concise definition of a laxative. a) List the different classes of laxatives, giving examples, and discuss their mechanisms of action and route of administration. b) Which laxatives are commonly prescribed? Briefly explain why. c) Why are laxatives common drugs of abuse? Briefly discuss a laxative associated disorder.

5. Answer ONE of the following:

A) Compare and contrast the different classes of diuretics, paying particular attention to mechanism of action, therapeutic indications, adverse effects and contraindications. Discuss in detail the use of diuretics in the management of heart failure.

OR

B) Define the term 'eicosanoids'. List the different classes of eicosanoids and give examples of pharmacological actions attributable to each class. Mention four therapeutic uses each of Eicosanoids and Eicosanoid Inhibitors.

Reproductive system
Ophthalmology - Ocular
Respiratory system
CVS

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS
COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS
28TH MAY, 2009

①

MAIN EXAMINATION
PAPER II (ESSAY QUESTIONS)
TIME ALLOWED: Three (3) Hours

INSTRUCTIONS:

Answer FIVE questions of your choice. Make sure that you write both your registration number and your examination number at the top of every single page in your answer scripts. Scripts without these numbers may not be marked. Begin the answer to each question on a separate sheet of paper

1. a) classify the drugs employed in the management of Hyperlipidemia
b) Discuss briefly their mechanisms of action, clinical uses and significant adverse effects.
2. Compare and contrast
 - a) Vasoconstrictors and vasodilators
 - b) Anti-emetic drugs and emetic drugs
 - c) Naloxone and flumazenil
 - d) Sulfacetamide and Azithromycin
3. Discuss the different types of drug names (proprietary, non-proprietary and, whether, when and where they should be used
4. Write short notes on the following:
 - a) Beta-lactamase Inhibitors
 - b) Receptor occupation theory with typical supporting examples
 - c) Clinical importance of Ascorbic Acid
 - d) Clinical uses of Barbiturates
5. Discuss the drug treatment of hypertension with emphasis on the mechanism of action and the adverse effects of drugs mentioned
6. a) Give a brief account of the pharmacology of Growth Hormone
b) What are the clinical uses of Beta-adrenergic receptor blockers?

PHARMACOLOGY AND THERAPEUTICS; FACULTY OF MEDICAL SCIENCES, COLLEGE OF
MEDICINE, UNIVERSITY OF NIGERIA, ENUGU CAMPUS
3RD MBBS (MAIN) EXAMINATION IN PHARMACOLOGY
PAPER 1. THEORY THURSDAY 27TH APRIL 2017

INSTRUCTIONS

You must write your registration number and your serial number / examination number on every answer sheet that you submit for marking.

Answer ONLY FIVE questions.

TIME ALLOWED: 3 HOURS

- ✓ 1. Discuss the therapeutic uses, adverse effects, and contra-indications of (i) tetracyclines and (ii) chloramphenicol.
2. Write short notes on any two of the following
 - a. Myasthenia gravis and its treatment
 - b. Classify antifungals based on mechanisms of action with examples of each class.
 - c. Pharmacology of Aminoglycosides with emphasis on mechanism of action, clinical uses and adverse effects.
3. (a). Discuss the mechanisms, features and treatment of poisoning due to Salicylate over dosage
(b). Give a concise account of the intravenous anaesthetic agents and the factors that guide their selection in clinical practice.
- ✓ 4. (a) Discuss the principle of drug combination in the management of hypertension
(b). Write short notes on drug use in hypertensive urgency and emergency.
- ✓ 5. A) Discuss five characteristics of an ideal antiseptic
B) List five classes of antiseptics/disinfectants citing at least one example in each class
- ✓ 6. Answer either A or B
 - A. (i) Cyclophosphamide is considered as the corner stone of many cytotoxic drug regimens. Briefly address this question.
Why are cytotoxic drugs for cancer treatment given in cycles?
 - (ii) List four cytotoxic drugs and a common side effect associated with each.
 - (iii) List two G phase specific cytotoxics and briefly discuss the mechanism of action of each.OR
 - (B) Discuss the use of glucocorticoids and bronchodilators in the treatment of bronchial asthma.
- ✓ 7. Discuss the pathophysiology of heart failure. Describe the pharmacology of digoxin and angiotensin converting enzyme inhibitors in the management of heart failure. What adverse effects are associated with their use?

Methyldopa
Cat
Fludrocortisone