

PHARMACOLOGY 5TH MODULE TEST (SEQs)
3rd Year MBBS

Time allowed: 75 minutes

Max Marks: 35

Q1. Write down the antihypertensive mechanism of action of following drugs:

- d) Methyldopa
- e) Propranolol
- f) Hydralazine

2+2+2

Q2.a) Enumerate positive inotropic drugs used for congestive cardiac failure. 2

b) List electrical effects of cardiac glycosides. 2

c) Describe the differences between the 2 types of angiotensin antagonists. 2

Q3.a) Enlist adverse effects of Furosemide. 2

b) Explain the basis for the use of Acetazolamide in ACUTE CONGESTIVE GLAUCOMA. 2

c) Describe a diuretic therapy that reduces calcium excretion in patients who have recurrent urinary stones. 1

Q4.a) Explain how a combination of nitrate + β -blocker will increase effectiveness and decrease incidence of adverse effects in Angina. 3

b) What is the role of Nitrites in the Treatment of Cyanide Poisoning? 2

c) Enumerate adverse effects of Calcium channel blockers. 1

Q5 a) Write down classification of Sodium channel blockers along with examples. 3

b) Describe the mechanism of action and adverse effects of amiodarone. K^+ 3

Q6. Give Mechanism of action of following drugs:

- b) Heparin.
- B) Warfarin.
- C) Fenofibrate

2+2+2

Department of pharmacology

Formative Test Assessment

3rd Year MBBS

Drugs Acting On ANS

Total marks 20

Total time 1 hr

Q 1A . Classify indirect acting cholinomimetics 1

B. What are clinical uses of cholinomimetics 2

C . What is the role of pralidoxime in organophosphate poisoning 1

Q 2A. What are effects of atropine on eye 1

B . What is role of anticholinergic drugs in asthma/COPD . What are contraindications of anticholinergic drugs 1 + 2

Q3 . What are effects of epinephrine on cardiovascular system . Enlist therapeutic uses of epinephrine 2+2

Q4A . What are types of adrenergic receptors also mention their location 2

B . Write down clinical uses of alpha blockers 2

Q5 . Enumerate cardioselective beta blockers . Write down non cardiac uses of beta blockers 2 +2



Q1
Formative Assessment
6th Module

CNS

Q.1 a Describe salient features of buspiron that differentiate it from benzodiazepines 2

b. Enlist therapeutic uses of barbiturates 2

Q.2 a Differentiate atypical antipsychotics from typical antipsychotics 2

b. What is MAC, what is its significance 1

c. How pH affect action of lidocaine. Briefly discuss features of ketamine 3

Q.3. a. What would happen if MAOIs are given concurrently with TCAs 2

b. Classify antidepressants 3

Q.4. a. What is rationale of giving carbidopa with levodopa 2

b. Which drug can be given for response fluctuations of levodopa, write its mechanism of action 3

Formative Assessment

6th Module

CNS

- Q.1 a Write down the pharmacokinetic properties of phenytoin 3
 b. What are clinical uses of valproic acid 2
- Q.2 a write down adverse effects of antipsychotic drugs 3
 b. Briefly describe drug interactions of MAOIs with TCAs and SSRIs 2
- Q.3 a Classify opioids according to receptor affinity 2
 b. Write down therapeutic indications of opioids 2
- Q.4 a Write down differences between nitrates oxide and halothane 2
 b. What is the rational of giving carbidopa with levodopa .
 Why anticholinergic are given in parkinsonism 2+2



1. a) Classify Barbiturates. What is their MOA.
 - b) Classify Anti-Parkinson's drugs. What are the advantages of Levodopa and Carbidopa.

2+2

2. a) Write uses of SSRI's. What are the side effects of Tricyclics.

2+2

 - b) What are the uses of Diazepam.

3

3. Describe Merits and demerits of:

2

 - a) Halothane versus nitrous oxide

2

 - b) Barbiturates versus benzodiazepines

3

 - c) Typical versus atypical antipsychotics

3

4. a) Describe:

1) MAC	2) Dissociative anaesthesia
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 - b) Classify General Anaesthetics
5. a) Write down the advantages of combining epinephrine with local anaesthetic.

2

 - b) Write down adverse effects of:

1) Lithium
2) Levodopa

2

CNS + CVS + NS (200)
 CNS + Endo + GIT

Chemo

Kinase

Enzyme

Subair Keshav
F18-143

PHARMACOLOGY 6TH MODULE TEST

DRUGS ACTING ON CENTRAL NERVOUS SYSTEM

SHORT ESSAY QUESTIONS

Time allowed: 1 hour 10 min

Max Marks: 35

- ✓ Q1 a) Enumerate Therapeutic applications of Benzodiazepines. 2
b) How would you treat a patient of Barbiturate Poisoning? 2
c) Write down the advantages of Buspirone over other sedatives & hypnotics. 2
- ✓ Q2. a) Enumerate ester type Local anesthetics 1
b) How does pH affect the action of Lidocaine. 2
c) Briefly discuss about Neuroleptanesthesia. What are Adverse Effects of Ketamine. 2
- ✓ Q3. a) A 35 year old epileptic female has been prescribed Phenytoin to control her grand mal seizures.
What adverse effects do you expect to see in this particular patient? 3
b) Enumerate drug treatment of Absence seizures. 1
c) What factors influence the uptake and distribution of inhaled anesthetics? How does solubility of an anesthetic agent affect the onset of its action? 2
- ✓ Q4. a) Compare & contrast Tubocurarine with Succinylcholine in tabulated form. 2
b) A 30 years old lady gives you the history of fatigue, insomnia, loss of appetite & weight, after getting divorced a month ago. She was diagnosed as a case of major depression and was prescribed Fluoxetine.
What edge has it got over other Antidepressant drug groups? Enlist its adverse effects. 1+2
c) What is Malignant hyperthermia. How is it managed. 1
- ✓ Q5. a) Classify dopaminergic drugs used for Parkinsonism. 2
b) Describe mechanism of action and toxic effects of Levodopa. 3
c) List non psychiatric uses of Antipsychotic drugs. 1
- ✓ Q6. a) Identify 3 opioid receptor subtypes and describe Mechanism of Action of Opioid Analgesics. 2
b) Enumerate pharmacological effects of Morphine on various organ system. 2
c) Differentiate Typical from Atypical antipsychotics. 2