

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2023

Course: Pharmacotherapeutics 2

Semester: IV

Program: B.Sc. Clinical Research

Duration: 3 Hours

Course Code: HSCR2010

Max. Marks: 100

Instructions: Attempt all questions

| S. No. | Section A Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks) | Marks | COs |
|--------|---|-------|-----|
| Q 1 | Which drug doesn't include DMARD- a. Chloroquine b. Vincristine c. Azathioprine d. Leflunomide | 1.5 | CO2 |
| Q2 | Drug of choice for acute attack of gout is- a. Allopurinol b. Corticosteroids c. Colchicine d. NSAIDs | 1.5 | CO1 |
| Q3 | Which group of diuretics is considered to be the DOC (drugs of choice) for long term management of mild to moderate hypertension? a. Mannitol b. Thiazides c. Loop diuretics d. Carbonic anhydrase inhibitors | 1.5 | CO2 |
| Q4 | Acetazolamide is most commonly used to treat _____ a. Chronic open-angle glaucoma b. Severe hypertension c. Congestive heart failure d. Chronic gout | 1.5 | CO5 |
| a. | Most common side effect of 5-Fluoro uracil is- a. Gastrointestinal toxicity b. Cardiotoxicity c. Neurotoxicity d. Bone marrow depression | 1.5 | CO2 |

| | | | |
|-----|--|-----|-----|
| Q6 | Drug of choice for absence seizure is- a. Phenytoin b. Phenobarbitone c. Sodium valproate d. Clonazepam | 1.5 | CO2 |
| Q7 | Drug of choice for epilepsy in pregnancy is- a. Phenytoin b. Phenobarbitone c. Sodium valproate d. Carbamazepine | 1.5 | CO4 |
| Q8 | Which of the following drug decreases the effect of levodopa- a. carbidopa b. MAO inhibitors c. COMT inhibitors d. Vitamin B complex | 1.5 | CO1 |
| Q9 | What is apoptosis? | | |
| Q10 | What is a natural pacemaker? | 1.5 | CO1 |
| Q11 | Name three drugs used in pain management. | 1.5 | CO1 |
| Q12 | Define angioplasty and angiography | 1.5 | CO5 |
| Q13 | Name first line drugs for rheumatoid arthritis | 1.5 | CO3 |
| Q14 | What are symptoms of psoriasis? | 1.5 | CO4 |
| Q15 | Central inhibitor of dopamine metabolism is- a. Carbidopa b. Selegeline c. Orphenadrine a. Bromocriptine | 1.5 | CO2 |
| Q16 | An increase in heart rate and renin release seen in patients of CHF can be overcome by which of following drugs- a. Minoxidil b. Metoprolol c. Metolazone d. Milrinone | 1.5 | CO5 |
| Q17 | Mannitol is an- a. Purgative b. Antidiabetic c. Osmotic diuretic d. Antiemetic | 1.5 | CO5 |
| Q18 | Write mechanism of action (briefly) of folate antagonist in cancer. | 1.5 | CO1 |
| Q19 | Name any two drugs used in management of conjunctivitis? | 1.5 | CO5 |

| | | | |
|--|--|-----------|----------|
| Q20 | Name three drugs used in management of Alzheimer's disease. | 1.5 | CO3 |
| Section B (4Qx5M=20 Marks) | | | |
| Q 1 | What are extrapyramidal side effects? Name the drugs, which can result in extrapyramidal side effects | 5 | CO2 |
| Q2 | Write a note on classification of acute kidney injury (AKI) | 5 | CO2 |
| Q3 | Discuss the pathophysiology of gout. | 5 | CO3 |
| Q4 | Explain the various side effects of chemotherapeutic agents and its prophylactic measures. | 5 | CO5 |
| Section C (2Qx15M=30 Marks) | | | |
| Q1 | Elaborate the differences in pathophysiology and pharmacotherapy for cardiac attack, cardiac arrest, and cardiac failure. | 15 | CO1, CO5 |
| Q2 | Write a note on general prescribing guidelines for any two: a. Pregnancy and breast-feeding b. Paediatric patients c. Geriatric patients | (7.5+7.5) | CO3 |
| Section D (2Qx10M=20 Marks) | | | |
| Q 1 | Discuss management of hypertension with treatment algorithm. OR Classify epilepsy. Write a note on management of epilepsy. | 10 | CO2 |
| Q2 | Discuss the pathophysiology and treatment strategy for Glaucoma. OR Discuss the pathophysiology and treatment strategy for Parkinson's disease. | (5+5) | CO4 |