

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination April-
2024
Subject- Pharmacology
Paper- II (new scheme)**

Maximum Marks :100

Time: 3:00 Hours

Instructions:

- a) All questions are compulsory**
- b) Draw diagrams wherever necessary**
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.**
- d) MCQ has to be answered in theory answer book**
- e) Please write MCQ answer neatly and in serial order with black or blue pen in brackets; for example: - 1. (a) 2. (c)**
- f) MCQ has to be answered only once, any kind of repetition or cutting or erasing or whitener will be considered as malpractice, such answers will not be counted in marks and action will be taken according to UFM rules of university.**
- g) Subjective answer should be answered in up to 30 words per marks. For example, if a question having 2 marks should answered in up to 60 marks.**

Q1. Total MCQs: 10 $10 \times 1 = 10$

1. Which of the following drug is approved by FDA for generalized HSDD (Hypoactive sexual disorder in premenopausal women):
(a) Flibanserin (b) Mifepristone (c) Finasteride (d) Clomiphene
2. All of the following drugs are used for treating alcohol use disorder (AUD), EXCEPT:
(a) Disulfiram (b) Naltrexone (c) Fomepizole (d) Acamprostate
3. Which of the following is the most common paradoxical side effect of Indomethacin:
(a) Hypersensitivity (b) Peptic ulcer (c) Frontal headache (d) Nephropathy
4. Which of the following drug used for Acute Toxoplasmosis during early pregnancy:
(a) Spiramycin (b) Clindamycin (c) Sulfadiazine (d) Pyrimethamine
5. Which of the following drugs is used for treatment of Neurocysticercosis:
(a) Mebendazole (b) Metronidazole (c) Albendazole (d) Tinidazole
6. Which of following antiviral is used for the treatment of corona virus:
(a) Cidofovir (b) Ganciclovir (c) Amantadine (d) Remdesivir

7. All of the following drugs inhibit the peripheral conversion of T₄ to T₃, EXCEPT:
- (a) Methimazole (b) Propylthiouracil (c) Propranolol (d) Dexamethasone
8. All of the following drugs are used in the treatment of osteoporosis, EXCEPT:
- (a) Bisphosphonate (b) Raloxifene (c) Tamoxifen (d) Calcitonin
9. Which of the following Cephalosporins has allergic cross reactivity with Aztreonam:
- (a) Ceftazidime (b) Ceftaroline (c) Ceftriaxone (d) Cefotaxime
10. Which of the following drug is effective in both grand mal and petit mal epilepsy:
- (a) Phenobarbitone (b) Sodium valproate (c) Phenytoin (d) Carbamazepine

Q2. Long Answer Questions 2 x 20 = 40

a. A 30-year-old mother comes to OPD. On history taking, she had 4 months baby and lactating. She wanted to space out her next child and consulting you for taking contraceptive pills.

I Which type of hormonal contraceptive would you suggest?

II Enumerate Adverse effect and Contraindication of oral contraceptive pills.

III Write regimens used as Emergency contraceptives.

~~IV Write basis used of clomiphene in infertility.~~

b. A 47-year-old man attends neurology clinic with complaints of resting tremors of right hand and arm. He moves slowly and has diminished range of facial expressions. His speech is slow and monotonous. He is diagnosed to be suffering from early stage of Parkinson's disease. He was prescribed levodopa/Carbidopa 250mg/25mg four times daily.

I Explain the rationale of combining levodopa with carbidopa and what are the advantages of combination.

II Classify Antiparkinsonian drugs.

III What are advantages of dopamine receptor agonists over levodopa/carbidopa combination.

IV Enumerate drugs causing Parkinsonism and write treatment of drug-induced Parkinsonism.

Q3. Brief Answer Questions 6 x 05 = 30

a. Enumerate 3rd generation Cephalosporins & write their therapeutic uses and adverse effects.

b. Enumerate Atypical antipsychotics. Write their advantages over typical antipsychotics.

c. Enumerate nonsteroidal anti-inflammatory drugs (NSAID). Write basis of use of Paracetamol as antipyretic.

d. Write notes on SGLT-2 inhibitors.

e. Enumerate SSRIs & write rationale for use of Fluoxetine in depression.

f. Enumerate drugs for MDR & XDR tuberculosis. Write basis of combination therapy in tuberculosis.

Q4. Short Answer Questions 10 x 2 = 20

- a. Explain oxytocin is preferred over ergometrine for induction of labour.
- b. Abrupt withdrawal of glucocorticoids after prolonged therapy is not advised, why?
- c. Enumerate 04 drugs used in prophylaxis of migraine.
- d. Write drug used in anaerobic infection.
- e. Write drug used is Staphylococcal infection.
- f. Explain Lugol's iodine is used prior to thyroid surgery.
- g. Write drugs for chloroquine resistant P. falciparum malaria.
- h. Write notes on fluoroquinolones.
- i. Write basis of use of valproate in epilepsy.
- j. Why morphine is contraindicated in patients having head injury.

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