

M.Sc.(Chem.) Semester - 4 (CBCS) Examination
April/May-2023 (NEW COURSE)
Chemistry of Synthetic Drugs(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer the following questions. (04)**
1. What are antibiotics? Give its classification.
2. Give classification of anticancer agents.
- Q.1(B) Answer the following question. (Any Two) (10)**
1. What are quinolone antibiotics? Write synthesis of Moxifloxacin
2. Give classification of antifungal agents and write synthesis of Fluconazole.
3. What are antiviral agents? Give synthesis of Zanamivir.
- Q.2(A) Answer the following questions. (04)**
1. What are antiarrhythmic drugs? Give its classification.
2. Discuss therapy of diuretic drugs.
- Q.2(B) Answer the following question. (Any Two) (10)**
Describe synthesis of following drugs:
1. Indapamide 2. Amlodipine 3. Telmisartan
- Q.3(A) Answer the following questions. (04)**
1. Explain functions of GABA and Ach neurotransmitter
2. What are antiepileptic agents? Give two example.
- Q.3(B) Answer the following question. (Any Two) (10)**
Describe synthesis of following drugs:
1. What are antidepressant agents? Give synthesis of venlafaxine.
2. What are non-sedating antihistamine? Discuss synthesis of Fexofenadine.
3. Give general classification of CNS acting agents with example.
- Q.4(A) Answer the following questions. (04)**
What are NSAIDs? Discuss its mechanism of action.
- Q.4(B) Answer the following question. (Any Two) (10)**
Describe synthesis of following drugs:
1. Sulindac 2. Diclofenac 3. Indoprofen
- Q.5(A) Answer the following questions. (04)**
1. What is diabetes? Discuss difference between Type-I and Type-II diabetes.
2. Write the synthesis of cyclomethycaine.
- Q.5(B) Answer the following question. (Any Two) (10)**
Describe synthesis of following drugs:
1. Glyburide 2. Benzamine 3. Lignocaine
