**647510** **MSC4OrgC402x** **Seat No :_____**

# M.Sc.(Chem.) Semester - 4 (*CBCS*) Examination
## Oct/Nov -2020 [NEW COURSE]
## Chemistry of Synthetic Drugs (Core)

**Time: 2:00 Hours** **Marks: 56**

**Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any four of the following questions.

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Q.1(A) Answer the Following : (04)

1. Give the synthesis and uses of Cisplatin.
2. Give synthesis of sunitinib

Q.1(B) Answer any two questions out of three (10)

1. Give the synthesis of Itraconazole and fluconazole
2. Define anti biotic and give synthesis of Levofloxacin
3. What is Non-Nucleoside HIV Reverse Transcriptase Inhibitor? Give the synthesis of Nevirapine.

Q.2(A) Answer the Following : (04)

1. Give synthesis of Nifedipine and Amlodipine.

Q.2(B) Answer any two questions out of three (10)

1. Define hypertension drug. Give synthesis of Atorvastatin
2. Give the synthesis and uses of Losartan Potassium.
3. What is Diuretics? Give synthesis of Acetazolamide

Q.3(A) Answer the Following : (04)

1. Define antidepressant and give synthesis of venlafaxine

Q.3(B) Answer any two questions out of three (10)

1. What is insomnia? Give the synthesis of Zaleplon.
2. Discuss antiepileptic and synthesis of Gabapentin
3. Give synthesis and uses of Citrinze and Fexofenadine

Q.4(A) Answer the Following : (04)

1. Write synthesis and uses of Ibuprofen and Aspirin

Q.4(B) Answer any two questions out of three (10)

1. Give synthesis and uses of Sulindac.
2. Give synthesis of Naproxen
3. What is an antipyretic drug? Give any two drug synthesis of antipyretic drugs?

Q.5(A) Answer the Following : . (04)

1. Define and classify Anaesthetic drug.
2. Define and classify Anti diabetic drugs

Q.5(B) Answer any two questions out of three (10)

1. Give uses and synthesis of Metformin
2. Give the synthesis and uses of Dibucaine Hydrochloride
3. Give synthesis of any one type 2 diabetic drug

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