

M.Sc.(Chem.) Semester - 4 (CBCS) Examination
May/June-2021 (NEW COURSE)
Chemistry of Synthetic Drugs (Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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- Que-1(A) **Answer the following questions** (04)
1. Give the synthesis and uses of Cisplatin.
 2. Give synthesis of Sorafenib
- Que-1(B) **Answer any two questions out of three.** (10)
1. Define anti biotic and give synthesis of Moxifloxacin
 2. Give the synthesis of Itraconazole and fluconazole
 3. What is TB? Give the syntheses of Ethambutol and Isoniazide.
- Que-2(A) Give the synthesis of Trimterene and Indapamide. (04)
- Que-2(B) **Answer any two questions out of three.** (10)
1. Define hypertension drug. Give synthesis of Rosuvastatin
 2. Give the synthesis of Amlodipine and Nifedipine.
 3. What is Diuretics? Give synthesis of Acetazolamide
- Que-3(A) Define antidepressant and give synthesis of Duloxetine (04)
- Que-3(B) **Answer any two questions out of three.** (10)
1. What is attention deficit hyperactivity disorder? Give the synthesis of Amphetamine.
 2. Discuss antiepileptic and synthesis of Gabapentin
 3. Give synthesis and uses of Citrinze and Indiplon
- Que-4(A) **Answer the following questions** (04)
1. Define analgesic and non-steroidal anti-inflammatory drugs.
 2. Give classification on Anti-inflammatory drugs.
- Que-4(B) **Answer any two questions out of three.** (10)
1. Give synthesis and uses of Ibuprofen and Diclofenac.
 2. Give synthesis of Naproxen
 3. Give synthesis of Sulindac and Indomethacin
- Que-5(A) **Answer the following questions** (04)
1. Define and classify Anaesthetic drug.
 2. Define and classify Anti diabetic drugs
- Que-5(B) **Answer any two questions out of three.** (10)
1. Give uses and synthesis of Lignocaine
 2. Give the synthesis and uses Rosiglitazone
 3. Give synthesis of any two general anaesthetic drugs.
