

M.Sc.(Chem.) Semester - 4 (CBCS) Examination
May/June-2021 (OLD 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** (04)
(1) What are diuretic drugs? Give any two examples with structures.
(2) Give classification of antihypertensive agents based on their mechanism.
- Que-1(B) **Answer any two questions out of three.** (10)
Describe synthesis of following drugs:
1. Captopril 2. Amlodipine 3. Minoxidil
- Que-2(A) **Answer the following** (04)
(1) Define with one example (a) General anesthetic (b) Local Anesthetic
(2) What are anxiolytic drugs? Give any two examples with structures.
- Que-2(B) **Answer any two questions out of three.** (10)
Describe synthesis of following drugs:
1. Trifluoperidol 2. Fexofenadine 3. Diclofenac sodium
- Que-3(A) **Answer the following** (04)
(1) What are expectorant drugs? Give two examples with structure.
(2) Write structure of following drug (a) Dextromethorphan (b) Codeine
- Que-3(B) **Answer any two questions out of three.** (10)
Describe synthesis of following drugs:
1. Terbutaline 2. Theophylline 3. Cromolyn
- Que-4(A) **Answer the following** (04)
(1) What are contraceptive? Give two examples with structure.
(2) Discuss classification of Analgesic drugs.
- Que-4(B) **Answer any two questions out of three.** (10)
Describe synthesis of following drugs:
1. Cetirizine 2. Tamoxifen 3. Bumetanide
- Que-5(A) **Answer the following** (04)
(1) What is hyper glycemia? Give classification of hyperglycemic drugs.
(2) Give structure of following (a) amoxicillin (b) ofloxacin
- Que-5(B) **Answer any two questions out of three.** (10)
Describe synthesis of following drugs:
1. chloramphenicol 2. Ketoconazole 3. Hydroxychloroquine