

M.Sc.(Chem.) Semester - 4 (CBCS) Examination
August/September -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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UNIT-1 (14 marks)Answer ALL questions

Q.1 (a)	Answer the following	Marks
(1)	What is Chemotherapy? Give classification of anticancer agents.	2
(2)	What are antibiotics? Give classification of antibiotics.	2
Q.1 (b)	Answer any two question out of three.	Marks
	Describe synthesis of following drugs:	
(1)	Levofloxacin	5
(2)	Fluconazole	5
(3)	Oseltamivir	5

UNIT-2 (14 marks)Answer ALL questions

Q.2 (a)	Answer the following	Marks
(1)	Discuss mechanism of lipid lowering drugs.	2
(2)	Write Classification of diuretic drugs.	2
Q.2 (b)	Answer any two question out of three.	Marks
	Describe synthesis of following drugs:	
(1)	Atorvastatin	5
(2)	Amlodipine	5
(3)	(a) Indapamide (b) Chlorthiazide	5

UNIT-3 (14 marks)Answer ALL questions

Q.3 (a)	Answer the following	Marks
(1)	What are neurotransmitter? Give its structure.	2
(2)	Discuss classification of CNS depressant agents.	2
Q.3 (b)	Answer any two question out of three.	Marks
	Describe synthesis of following drugs:	
(1)	Zolpidem	5
(2)	Fexofenadine	5
(3)	Citirizine	5

UNIT-4 (14 marks)
Answer **ALL** questions

Q.4 (a)	Answer the following	Marks
(1)	Describe classification of nonsteroidal anti-inflammatory drugs(NSAID).	2
(2)	Discuss mechanism of NSAIDs.	2
Q.4 (b)	Answer the following	Marks
	Describe synthesis of following drugs:	
(1)	Diclofenac sodium	5
(2)	Indomethacin	5
(3)	Ibuprofen	5

UNIT-5 (14 marks)
Answer **ALL** questions

Q.5 (a)	Answer the following	Marks
(1)	What is Diabetes mellitus? Explain types of diabetes.	2
(2)	Give classification of local anaesthetics.	2
Q.5 (b)	Answer the following	Marks
	Describe synthesis of following drugs:	
(1)	Rosiglitazone	5
(2)	Ketamine	5
(3)	(a) Tolbutamide (b) Lignocaine	5
