

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot
Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION APRIL - 2018

M.Sc. Chemistry (Organic Chemistry)

16PCEOC06 – CHEMISTRY OF SYNTHETIC DRUGS

Duration of Exam – 3 hrs

Semester – IV

Max. Marks – 70

Part A (5x2= 10 marks)

Answer **ALL** questions

1. Give the synthesis and uses of Cisplatin.
2. What are the Type-1 and Type-2 Diabetes?
3. What is Attention Deficit Hyperactivity Disorder? Give the synthesis of Amphetamine.
4. Write synthesis and uses of Mefenamic acid.
5. Define and classify Anesthetic drug.

Part B (5x5 = 25 marks)

Answer **ALL** questions

- 6a. What is Non-Nucleoside HIV Reverse Transcriptase Inhibitor? Give the synthesis of Nevirapine.

OR

- 6b. Give the synthesis of Anastrozole and Letrozole.

- 7a. What is Diuretics? Give the synthesis of Chlorothiazide and hydrochlorothiazide.

OR

- 7b. Give the synthesis and uses of Losartan Potassium.

- 8a. What is antidepressant drug? Give the synthesis of Venlafaxine.

OR

- 8b. What is insomnia? Give the synthesis of Zaleplon.

- 9a. Write synthesis and uses of Indomethacin.

OR

- 9b. Write synthesis and uses of Ketoprofen.

- 10a. Give the synthesis and uses of Benzocaine.

OR

- 10b. Give the synthesis and uses of Dibucaine Hydrochloride.

Part C (5x7 = 35 marks)

Answer **ALL** questions

11a. Write synthesis and uses of Moxifloxacin.

OR

11b. Write synthesis and uses of Itraconazole.

12a. Give the synthesis and uses of Rosuvastatin.

OR

12b. Give the synthesis and uses of Atorvastatin.

13a. Write the synthesis and uses of Indiplon.

OR

13b. Give synthesis of -Eucaine and Benzamine Hydrochloride.

14a. Give synthesis and uses of Sulindac.

OR

14b. What is antipyretic drugs? Give any two drug synthesis of antipyretic drugs?

15a. Write the synthesis of Isoquinoline analogues used in Anaesthetic drug.

OR

15b. What is Antiparkinsonism agents? Give the synthesis of Cycrimine hydrochloride.
