	Utech
Name:	
Roll No. :	A Desir Of Exercising and California
Invigilator's Signature :	

CS/B.PHARM (N)/SEM-7/PT-703/2012-13 2012

PHARMACEUTICAL CHEMISTRY (Medicinal Chemistry)

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

 $10 \times 1 = 10$

- i) Which one of the following contains Thioimidazole structure?
 - a) Levamisole
- b) Thiabendazole
- c) Mebendazole
- d) Albendazole.
- ii) Alkali hydrolysis of Penicillin produces
 - a) Penicillenic acid
- b) Penillic acid
- c) Penicilloic acid
- d) Penilloic acid.
- iii) Lipophilicity of Tetracycline increases by elimination ofOHgr at position
 - a) C 5

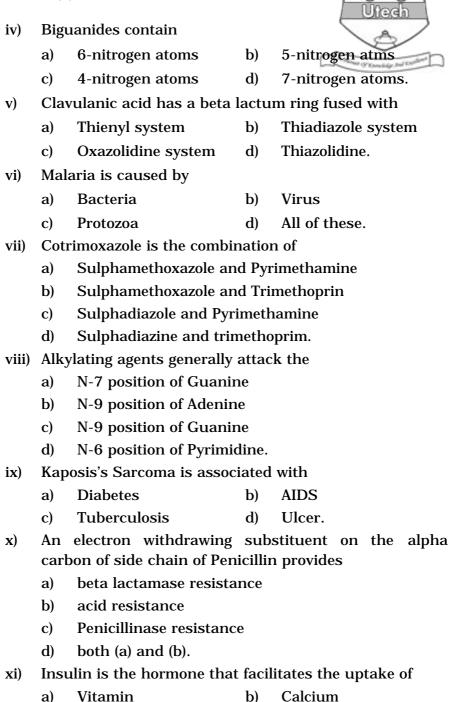
b) C - 10

c) C-6

d) C - 3.

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c)

Protein

d)

Glucose.



- xii) Chemically Albendazole is
 - a) Indole derivative
 - b) Benzimidazole derivative
 - c) Quinoline derivative
 - d) Carbazole derivative.
- xiii) Thyroid function is regulated by
 - a) TSH

b) THS

c) GTH

d) ACTH.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- 2. Write a note on oral hypoglycemic agents with chemical classification.
- 3. Give a brief note on preparation of Insulin and its use. 4 + 1
- 4. a) Classify Anti-cancer drug with example.
- 2
- b) Write the Taylor method of synthesis of Methotrexate. 3
- 5. a) Classify Anti-Malarial agents.
 - b) Write the SAR of 7-Chloro, 4-amino quinoline. 2 + 3
- 6. a) What is the difference between Antibiotics and Chemotherapeutic agents?
 - b) Classify Penicillin with examples.

1 + 4

GROUP - C

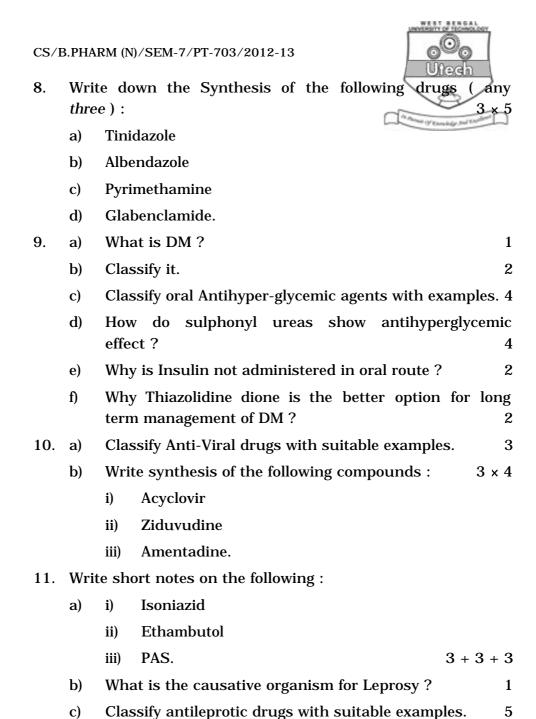
(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- 7. Write short notes on any *three* of the following :
- 3×5

- a) SAR of Tetracycline
- b) Mechanism of action of any fluorinated Pyrimidine Antifungal drug.
- c) Mode of action of Sulphonyl urea
- d) Bio-Synthesis, Storage and release of Thyroid hormones.

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