F/2017/1950   **Total Pages : 4**
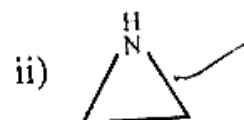
FINAL YEAR (NEW) PHARMACY

PHARMACEUTICAL CHEMISTRY - II

(202)

Time : Three Hours   *Maximum Marks : 80*.

Note : i)   Attempt total *six* questions. Question No.1 is compulsory from the remaining questions attempt any *five*.

ii)   Illustrate your answer with neat sketches wherever necessary.

1.   Attempt any five questions.   5×2=10

a). Give the category of Tolbutamide and Imipramine.

b)   Give the structure of

i)   n-propyl

ii) Aniline

c)   Give the name of following :

i)

ii)

(2)

d)   Give the pharmaceutical uses of the following :

i)   Tolnaftate

ii) Atropine

e)   In what formulations the followings drugs are usually given :

i)   Nitrazepam

ii) Phenobarbitone sodium

f)   Name one hypnotic drug each possessing following structural characteristics :

i)   A benzodiazepine derivative

ii) A thiazole derivative

2.   Give the structure, physical properties, category and storage conditions of the following: (Any Four) 14

a)   Promethazine   https://www.rgpvonline.com

b)   Aspirin

c)   Primaquine

d)   Physostigmine

e)   Salbutamol

3.   Define and classify Diuretic Drugs. Give the chemical structure, physical properties and uses of any one drug of each class.   14

(3)

4. Write short notes on any two of the following :

$2 \times 7 = 14$

a)   Local Anaesthetic Agents

b)   Co-trimoxazole

c)   Antiviral Agents

5. Define and classify analgesic and antipyretics. Write the chemical structure, uses and brand names of any two drugs. 14

6.   Attempt any two of the following : $2 \times 7 = 14$

a)   Define and classify hypnotics and sedatives with suitable examples. Give details of any two drugs of this category.

b)   Explain antineoplastic drugs. Describe the properties, storage conditions and uses of anti-metabolite drugs.

c)   Write a note on Antiseptics and Disinfectants.

7.   Write the structure of following rings : $7 \times 2 = 14$

a)   Indole

b)   Pyridine

c)   Purine

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(4)

d)   Phenothiazine

e)   Quinoline

f)   Tropane

g)   Xanthine

8.   Write short notes on any two of the following :

$2 \times 7 = 14$

a)   Antiamoebic Drugs

b)   Hypoglycemic Agents

c)   Cardiac Glycosides

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