

S/2017/1950

Total Pages : 4

FINAL YEAR (NEW) PHARMACY
PHARMACEUTICAL CHEMISTRY - II
(202)

Time : Three Hours

Maximum Marks : 80

Note : All questions are compulsory.

1. Attempt any four of the following questions. 20

a) Define the following terms:

- i) Antitussive
- ii) Anti histamines
- iii) Hypnotics
- iv) Analeptics

b) Write the structure of following group:

- i) Acetyl ✓
- ii) Guanidino ✓
- iii) Phenyl ✓
- iv) Benzoyl ✓

https://www.rgpvonline.com

S/2017/1950

P.T.O.

(2)

c) Write the chemical name of the following group:

- i) $(\text{CH}_3\text{CH}_2)_2\text{N} -$ ✓
- ii) $\text{H}_2\text{NCO} -$
- iii) $\text{H}_2\text{N} -$
- iv) $\text{CH}_3\text{CH}_2 - \text{O} -$

d) Write the name and structure of drug containing following structure:

- i) Imidazoline ✓
- ii) Isoxazolidine ✓
- iii) Pyrimidine ✓
- iv) Quinoline ✓

e) Write the structure and method of numbering

- i) Morpholine ✓
- ii) Indole ✓
- iii) Hydantoin ✓
- iv) Purine

https://www.rgpvonline.com

2. Answer any three of the following: 12

a) Write uses of Vitamin K, Vitamin B₂, Nicotinic acid and Ascorbic Acid.

S/2017/1950

Contd.....

(3)

- b) ~~X~~ Write short note on Anabolic steroids.
- c) ~~X~~ Define general anaesthetics. Classify with examples.
- d) ~~X~~ Write structure, chemical name, properties and uses of Indomethacin or methyl salicylate.

3. Attempt any three of the following: 12

- a) ~~X~~ Define and classify antiulcer drugs with suitable examples. <https://www.rgpvonline.com>
- b) ~~X~~ Write structure properties and uses of Diphenhydramine.
- c) ~~X~~ Define and classify analgesic and antipyretic with examples.
- d) ~~X~~ Write a note on Antithyroid drugs.

4. Attempt any three of the following: 12

- a) ~~X~~ What are oral hypoglycemic, Agents. Write structure, properties and uses of Tolbutamide.
- b) ~~X~~ Describe the chemistry of Antimalarial drugs.
- c) ~~X~~ Write structure, chemical name and uses of alpha methyl dopa or clonidine.

S/2017/1950

(4)

- d) ~~X~~ Write structure and chemical name of the following drugs:

- i) Chloroquine
- ii) Pyrimethamine

5. Attempt any three of the following: 12

- a) ~~X~~ Define sympatholytic drugs. Classify with suitable examples.
- b) ~~X~~ Write structure, chemical name and uses of propantheline or Homatropine.
- c) ~~X~~ Write the structure and uses of Nikethamide and Tranlycypromine.
- d) ~~X~~ Write in brief on local Anaesthetics.

6. Attempt any three of the following : 12

- a) ~~X~~ Define sulphonamides. Explain their chemistry.
- b) ~~X~~ Discuss β - lactam Antibiotics in detail.
- c) ~~X~~ Write short note on Anti T-B drugs.
- d) ~~X~~ Discuss hypnotics and sedatives drugs.



S/2017/1950