

PY-703

B. Pharm. (Seventh Semester)

EXAMINATION, Dec., 2010

PHARMACEUTICAL CHEMISTRY – VIII

(Medicinal Chemistry – III)

(PY – 703)

Time : Three Hours

Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks. **RGPVONLINE.COM**

1. What are antineoplastic agents ? Classify them giving examples with structure. Give the synthesis and mode of action of any *two* drugs.
2. Classify diuretics giving examples and structures. Discuss the mechanism of action, SAR and synthesis of the members belonging to loop diuretics.
3. (a) Discuss the role of β -blockers in the management of hypertension.
(b) Discuss the oral hypoglycemic agents in detail.
4. Give a brief account of mode of action of antimalarials and

5. Discuss the uses of any *two* of the following :

- (i) Thiazide group of diuretics
- (ii) Admantane derivatives used as antiviral agents
- (iii) Adrenocorticoids

6. Write notes on any *two* of the following :

- (i) Antitubercular drugs
- (ii) Prostaglandins
- (iii) Rifampicins
- (iv) Antiarrhythmic drugs

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7. Giving suitable examples discuss a comprehensive account of mode of action and SAR of sulphonamides.
8. Explain the following :
 - (i) Axial groups differ in stability from equatorial groups in steroids.
 - (ii) The structural feature of oxytocin along with a note on its physiologic and clinical roles.

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