

PY - 703

B.Pharm. VII Semester

Examination, December 2012

Pharmaceutical Chemistry-VIII

(Medicinal Chemistry-III)

Time : Three Hours

Maximum Marks : 70

Note : 1. Attempt any five questions (only one from each unit)

2. All questions carry equal marks.

1) Classify antibiotics giving examples in each category. Outline the synthesis of Chloramphenicol. (8+6=14)

OR

2) Classify sulphonamides on the basis of their site of action. Give structure, chemical name, uses and synthesis of Trimethoprim. (6+8=14)

3) Classify peptide hormones. Differentiate between peptides and proteins. Give a detail note on Gonadotropin - Releasing hormone. (4+3+7=14)

OR

4) Enlist the hormones released from thyroid gland. Give detail of deiodination of T_4 and SAR of thyroid analogs. (3+5+6=14)

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5) Explain drug dependence and SAR of progesterone. (7+7=14)

OR

6) What are steroids? Explain corticosteroids with its SAR. Write synthesis of estrogen. (2+5+7=14)

7) Classify diuretics on the basis of their site of action. Write mechanism of action, SAR of high ceiling diuretics. Give synthesis of Furosemide. (3+6+5=14)

OR

8) Classify diuretics. Discuss mode of action of potassium-sparing diuretics. Give synthesis and SAR of chlorothiazide. (3+4+7=14)

9) Classify hypoglycemic agents. Write mode of action, SAR of Guanidine derivatives. Give synthesis of any one biguanide. (3+5+6=14)

OR

10) Write a detail note on Ergot alkaloids. (14)

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