

Roll No.

PY-703**B.Pharm. VII Semester**

Examination, December 2015

Pharmaceutical Chemistry - VIII**Medicinal - Chemistry - III***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each question are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
 iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Give synthesis of Acetazolamide.
 b) Write mode of action of Metronidazole.
 c) Classify antiamoebic drugs giving suitable examples.
 d) Give SAR of 4-aminoquinolines.

Or

Discuss the SAR of Tetracyclines.

2. a) Give structures of HMG coenzyme A reductase inhibitors.
 b) Give mode of action of anti-metabolite as anticancer drug.
 c) Discuss SAR of Amino glycosides
 d) Write a note on immunosuppressant.

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Or

Discuss chemistry and mode of action of cardiac-glycosides

3. a) Give synthesis of Sulfamethoxazole.
 b) Give the synthesis of Chloramphenicol.
 c) Discuss SAR of 1,4-dihydropyridines as antihypertensive agents.
 d) Classify Antiarrhythmic drugs with suitable examples.

Or

Classify antitubercular drugs with suitable example

4. a) Give synthesis of trimethoprim.
 b) Give mode of action of loop diuretics.
 c) Give SAR of chlorothiazide.
 d) Classify diuretics with suitable example

Or

Write a note on ergot alkaloids.

5. a) Give mode of action of potassium sparing diuretics
 b) What is angina? Name the drugs used for the treatment of angina.
 c) Brief about Glycopeptides.
 d) Classify Antineoplastic agents with suitable example.

Or

Give a detailed note on B-lactam antibiotics with structure of each category drugs.
