

Roll No .....

**PY-605**

**B.Pharmacy VI Semester**

Examination, December 2016

**Pharmacology - 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 questions 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) Justify comment: water soluble statins are more effective than lipid soluble statins.
- b) Write mechanism of action of streptokinase.
- c) Describe pharmacology of somatostatin.
- d) Classify antihypertensive drugs. Write mechanism of action, therapeutic uses and adverse effects of calcium channel blockers.

OR

Define bioassay. Write need, principle, advantages and disadvantages of bioassay.

2. a) Explain sildenafil is a drug of choice in erectile dysfunction.
- b) Classify plasma expanders.
- c) Explain pharmacology of selective estrogen receptor modulators.
- d) Describe types, etiological factors and pathogenesis of diabetes.

OR

Describe therapeutic uses and adverse effects of corticoids therapy.

3. a) Explain mechanism of action of aspirin for anticoagulant activity.
- b) Give therapeutic uses of thyroid inhibitors.
- c) Write pathogenesis and symptoms of cushing's syndrome.
- d) Classify anti-arrhythmic drugs. Write pharmacology of Class-III drugs.

OR

Write therapeutic uses and side effects of testosterone preparations.

4. a) Discuss mechanism of action of novel class SGLT-2 inhibitors in diabetes treatment.
- b) Define contraceptive. Write note on hormonal oral contraceptive.
- c) Give pharmacological action of parathyroid hormone on calcium level.
- d) Classify hypolipidemic drugs. Write pharmacology of fibrates.

OR

Classify tocolytic drugs. Describe mechanism of action, uses and side effects of ritodrine.

5. a) Enlist calcium supplement preparation. Give therapeutic uses of them.
- b) Write note on megaloblastic anaemia.
- c) Give mechanism of action and therapeutic uses of warfarin.
- d) Describe mechanism of action, therapeutic uses and side effects of digitalis.

OR

Classify antianginal drugs. Write pharmacology of nitrates.

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