Total No. of Questions :5] *[Total No. of Printed Pages :2*

Roll No .....

PY-605

B.Pharmacy VI Semester

Examination, June 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 - DPP - 4 inhibitors as antidiabetic agent.
   b) Give mechanism of action of low molecular weight heparin.
   c) Explain physiological functions of growth hormone.
   d) Classify uterine stimulant drugs. Describe therapeutic uses and side effects of them.

   OR

   Define bioassay. Explain types and application of bioassay.

2. a) Write pharmacology of niacin.
   b) Explain bromocriptine as prolactin inhibitor.
   c) Write note on dextran as plasma expander.
   d) Classify oral hypoglycemic agents. Explain pharmacology of sulfonylurea class.

OR

Discuss therapeutic uses of thyroid hormone.

3. a) Explain mechanism of action of dabigatran.
   b) Discuss adverse effects of estradiol.
   c) Write pathogenesis and symptoms of addision's disease.
   d) Classify hypolipidemic drugs. Write pharmacology of statins.

   OR

   Write pharmacological actions of glucocorticoids.

4. a) Enlist drugs used in erectile dysfunction.
   b) Discuss physiological role of calcium.
   c) Give pharmacological actions of vitamin D on plasma calcium level.
   d) Describe treatment and management of cardiac heart failure.

   OR

   Enlist antihypertensive drugs. Write mechanism of action, therapeutic uses and adverse effects of ACE inhibitors.

5. a) Write mechanism of action of combined oral pill.
   b) Give sign and symptoms of iron deficiency anaemia.
   c) Give therapeutic uses and adverse effects of oral anticoagulants.
   d) Classify antianginal drugs. Explain mechanism of action therapeutic uses and adverse effects of nicorandil.

   OR

   Classify anti-arrhythmic class-I drugs. Write pharmacology of lidocaine.

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