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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-7)

PHARMACEUTICAL CHEMISTRY-VII
(MEDICINAL CHEMISTRY/MEDICINAL CHEMISTRY-II)

Subject Code : PHM-75

M.Code : 46052

Time : 3 Hrs.

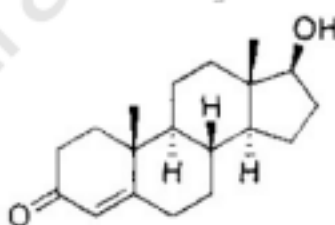
Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A
1. Write short notes on :

- a) Give the nomenclature of the following :



- b) Give structures of one natural mineralocorticoid and glucocorticoid.
- c) Define loop diuretics with two examples.
- d) Name any two second generation calcium channel blockers.
- e) Define antithrombotic agents and draw structure of any one.
- f) Draw structure of warfarin and write its pharmacological use.
- g) Give synthesis of methyldopa.
- h) Draw the structures of any two selective serotonin reuptake inhibitors.
- i) Define antipsychotic agents with examples.

- j) Draw structures of 5- α and 5- β cholestane.
- k) Give typical structural features of morphine.
- l) Name any two ACE inhibitor prodrugs and draw structure of any one.
- m) Write the mechanism of action of thiazide like diuretics.
- n) What are ultra-short acting barbiturates?
- o) Define hypnotics with suitable example.

SECTION-B

- 2. Discuss SAR of androgen anabolic agents.
- 3. Give structures of intermediate acting barbiturates and synthesis of any one of them.
- 4. Give an account of benzoic acid derivatives class of local anaesthetics.
- 5. Write a note on methylxanthines class of CNS stimulant.
- 6. Give structures of antiparkinson agents affecting brain dopamine.

SECTION-C

- 7. Give rules for assigning IUPAC name of steroidal derivatives. Give detail account of steroidal estrogens.
- 8. Give structures of antihypertensive acting on renin-angiotensin system. Give synthesis of any one of them.
- 9. Give detailed account of phenothiazine as antipsychotic drugs.
- 10. Write a short note on :
 - a) Anti-platelet drugs
 - b) Antitussives

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.