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Total No. of Pages : 02

Total No. of Questions : 24

B.Pharma (2012 to 2016) (Sem.-6)

PHARMACEUTICAL CHEMISTRY-VI

(Medicinal Chemistry-I)

Subject Code : BPHM-601

M.Code : 71033

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

Explain the terms :

1. What do you mean by term lead? Classification of NSAIDS. MOA
2. of Apomorphine. Water soluble Vitamins. Give the structure of
3. Nifedipine and Prazosin. Bioisosterism. Name two irreversible
4. gastric proton pump inhibitors. Give the therapeutic class and
5. structure of Chlorpheniramine. Name and give MOA of drug
6. used as analgesic. Storage of acetyl choline. Classification of
7. Prostaglandins.
- 8.
- 9.
- 10.
- 11.

12. MOA of antispasmodic drugs. 13. Biosynthesis of Prostaglandins. 14. Metabolism of catecholamines. 15. Use and MOA of Sodium Cromoglycate.

SECTION-B

16. Mechanism and significance of bioisosterism.
17. Explain the SAR and mechanism of action of Antiparkinson's disease.
18. Enumerate the biosynthesis of noradrenaline.
19. Short notes on cholinergic receptors.
20. Adrenergic neurotransmitters.

SECTION-C

21. What do you understand by Lead? Explain the various methods to obtain the lead along with its optimization.
22. Discuss in detail about the different types of drug receptor interactions.
23. Classify Neuromuscular blocking agents with examples. Give the mode of action and synthesis of one drug from two different classes.
24. Discuss the SAR of NSAIDs in detail with example from each category. Give the synthesis of any one drug.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.