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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2011 to 2016) (Sem.-7)
PHARMACEUTICAL CHEMISTRY-VII
(Medicinal Chemistry-II)
Subject Code : BPHM-704
M.Code : 71756

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. Answer briefly :**

- (a) Give chemical structure and uses of cholesterol.
- (b) What are anabolic agents?
- (c) Name two intravenous anesthetics.
- (d) Write synthesis of pentazocine.
- (e) What are centrally acting antitussive?
- (f) Write chemical structure and uses of nikethamide.
- (g) Write chemical structure and uses of acetazolamide.
- (h) What are butyrophenones?
- (i) Which alkaloid has antiarrhythmic activity?
- (j) What are atypical antidepressants?

- (k) Write chemical structure and uses of propranolol.
- (l) Discuss the role of vitamin *K* as anticoagulant.
- (m) What is methyldopa?
- (n) Define Antihyperlipidemics with examples.
- (o) Define Opioid antagonists with example.

SECTION-B

- 2. Write in detail about synthesis, mode of action and medicinal uses of diazepam.
- 3. Describe synthetic procedure for oestradiol and stilboestrol.
- 4. How can you classify local anasesthetics? Give chemical synthesis of lignocaine.
- 5. Give the synthesis, mode of action of phenytoin and frusemide.
- 6. Discuss structure activity relationship of phenothiazine class of antipsychotics.

SECTION-C

- 7. What are Androgens? Explain biosynthesis of testosterone and its synthesis from diosgenin.
- 8. Give an account of cardiac glycosides and their role in the treatment of heart failure.
- 9. Discuss medicinal chemistry of halogenated hydrocarbons used as general anesthetics.
- 10. Write an account of barbiturates as sedative and hypnotics. Give synthesis of phenobarbitone.

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.