

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
Pharmaceutical Chemistry Semester - V
End Term Examination, December, 2018
(PC-511) (Medicinal Chemistry-II)

Time: 2 hrs

Date:

Maximum marks: 50

Q.1 Answer all questions. Each question carries 1 mark.

(9*1=9 Marks)

1. Bile Acid is a Female Sex Hormone (True/False)
2. Divinyl ether is _____ Drug.
(a) General anaesthetics (b) sedative (c) Anticonvulsants (d) CVS Agents
3. Ultra short acting Barbiturates act within _____ time
4. Cholesterol Have _____ number of stereo isomers.
(a) 512 (b) 511 (c) 513 (d) 514
5. What is the full form of GABA?
6. Which of the following general anesthetics belongs to inhalants?
(a) Thiopental (b) Desfluran (c) Ketamine (d) Propofol
7. The intravenous anesthetic, which is an ultra-short-acting barbiturate is:
(a) Fentanyl (b) Thiopental (c) Midazolam (d) Ketamine
8. The intravenous anesthetic, which produces dissociative anesthesia is :
(a) Midazolam (b) Ketamine (c) Fentanyl (d) Thiopental
9. Benzodizepine action is associated with this neurotransmitter system:
(a) Adrenergic (b) Glycine (c) Glutamate (d) GABA
10. Clinically used in treating grand mal seizures:
(a) Phenobarbital (b) Carbamazepine (c) Phenytoin (b) A, B & C

Q. 2 answer any 5 questions. Each question carries 4 marks.

(5*4=20Marks)

1. Classification of hormones.
2. Explain Synthesis of Thiopentane sodium.
3. What are CNS stimulants? Give them any one synthesis.
4. Explain synthesis of Phenobarbital.
5. Explain synthesis of Ketamine.
6. SAR Of benzoic acid derivatives.

Q.3 Answer any 3 question. Each question carries 7 marks.

(3*7=21Marks)

1. Discuss the Chemistry of Cholesterol
2. What is anticonvulsant drug? Discuss the SAR of Barbiturates
3. Explain local anesthesia write mode of action and classification.
4. What is an antiarrhythmic drug? Discuss mechanism of action, side effects with synthesis of promethazine.