

Pramukh Swami Science & H.D. Patel Arts College, Kadi  
Bachelor of Vocation Pharmaceutical Chemistry Semester-V

Mid Sem Examination, October- 2017,  
(PC-511) Medicinal Chemistry-II

Time: 2 hours  
28/10/2017  
Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark [12]

1. The IUPAC name for diel's hydrocarbon is
  - a) 3'methyl-1,2-cyclopentenophenanthrene
  - b) 3 ethyl-1,2-cyclopentenophenanthrene
  - c) 3 methyl-1,2-cyclopentenoperhydrophenanthrene
  - d) all of these
2. Coprstone Have 512 number of isomer. (True/False)
3. Thiopentone sodium, were Used \_\_\_\_\_ agent
  - (a) Anesthesia (b) hypnotic Agent (c) anticonvulsant (d) none of this
4. Soporific drug are facilitate the normalization of \_\_\_\_\_
  - (a)Heart rate (b) Sleep (c) body pain (d) cancer
5. Hydanitons, is anticonvulsant drug (True/false)
6. Ultra short acting Barbiturates act on \_\_\_\_\_ time
  - (a) 8-6 hr (b) 4-6 hr (c) 10-30 min (d) 50-60 min
7. Give the name of male sex hormone
8. Estrone is \_\_\_\_\_ hormone

9. What is the full form of GABA?

10. Side chain Are Present in Cholesterol at which number of carbon?

- (a) C<sub>12</sub>
- (b) C<sub>15</sub>
- (c) C<sub>17</sub>
- (d) C<sub>18</sub>

11. Epilepsy is brain disorder (True/false)

12. What are inhalation anesthetics?

13. Barbiturates are derivatives of \_\_\_\_\_

- (a) Malonic acid (b) urea (c) both a and b (d) phenol

Que.2. Answer any five questions. Each question carries 4marks [20]

1. Explained the functions of Bile Acid.
2. Short note on stage and classification of anaesthesia.
3. Discuss the Chemistry of Aldosterone
4. Synthesis of Cyclopropane
5. Short note on Sedative Drug
6. Synthesis of hydantoin and oxazolindiones.
7. Synthesis of Progesterone

Que.3. Answer any four questions. Each question carries 7 marks [28]

1. Discusses the Chemistry of Cholesterol
2. Discussed the SAR Barbiturates
3. Discussed the local anesthetics agent and genaral anesthetics agent with suitable example of SAR.
4. What is anticonvulsant drug? Synthesis of phenytoin sodium.
5. Synthesis of Benzocaine and mepivacaine
6. What is Hormones? Classification of hormones.