Roll No. | | | | | | | | | | | | | Total No. of Pages : 03

Total No. of Questions : 13

B.Pharma (2017 & Onwards) (Sem.-2)

PHARMACEUTICAL ORGANIC CHEMISTRY-I

Subject Code : BP-202T

M.Code : 74968

Time : 3 Hrs. Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.**
3. **SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.**

SECTION-A

1. Briefly write about the following :

a. What are Lewis bases?

b. What is geometric isomerism?

c. Define nucleophile with suitable examples.

d. Write the IUPAC nomenclature of the product formed.

Fig.1

e. Write the IUPAC nomenclature of the product formed.

Fig.2

f. Write the IUPAC nomenclature of the product formed.

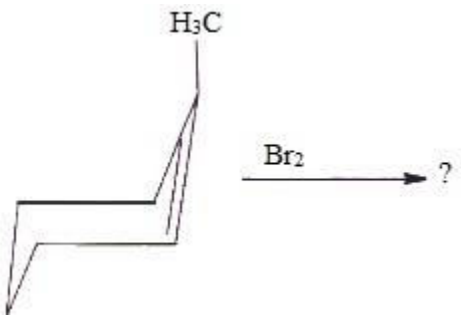

Fig.3

g. Write the IUPAC nomenclature of the product formed.

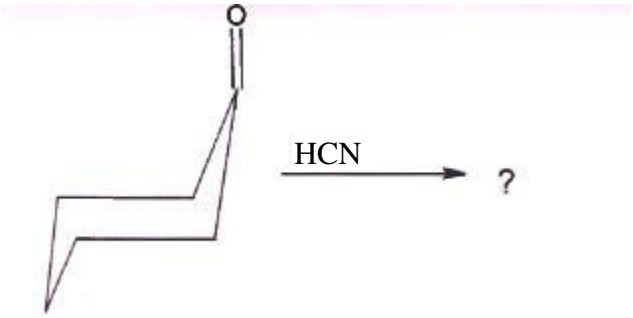

Fig.4

h. What is ozonolysis?

i. What is carbocation?

j. Write the structure and use of Amphetamine.

SECTION-B

2. Describe Nucleophilic aliphatic substitution reaction, giving evidences in support of the mechanisms involved.

3. Write a detailed account on reactions of carbonyl compounds.

4. Write a detailed account on electrophilic addition reaction.

SECTION-C

5. Write a note on halogenation of alkanes.

6. Write a note on electrophilic addition of conjugated dienes.

7. Write a note on Perkin condensation.

8. Write a note on cross-aldol condensation reaction.

9. Write a note on reactions of alkyl halides.

10. Write a note on S_N1 reactions.

11. Write a note on structure and uses of methyl salicylate and lactic acid.

12. Write a note on structure and uses of hexamine and paraldehyde.

13. Write a note on Diel-Alder reaction.

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.