

**Maliba Pharmacy College**  
**MID-SEMESTER EXAM-1**

SUB: Organic chemistry

Date: 18-3-2013

Time: 9.30-10.30am

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1. Explain with example (Any Two)

(2.5x2)

- a. Enantiomers
- b. E and Z isomers
- c. Diastereomers
- d. R and S configuration

2. A. Attempt any four

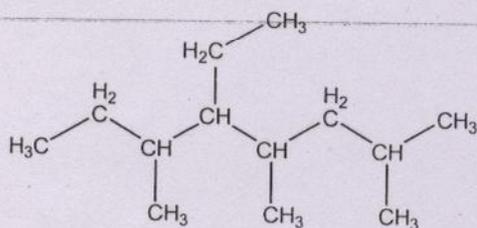
(4x2)

- a. Define carbocation. Give comment on stability profile.
- b. Explain Pauli's exclusion principle and Hund's rule of maximum multiplicity.
- c. Define proton, electron and neutron.
- d. Explain magnetic quantum number.
- e. Explain electromeric effect.

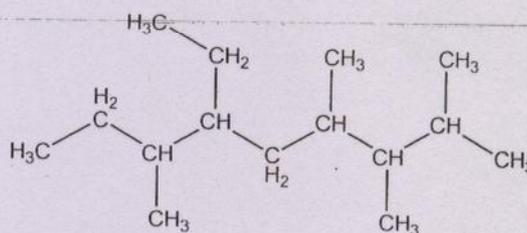
B. Give IUPAC nomenclature of given compound.

(2)

a.



b.



3. Explain covalent bond in detail.

(5)

OR

Explain  $sp^3$ ,  $sp^2$  and  $sp$  hybridization in carbon with example.