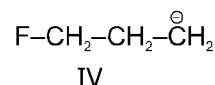
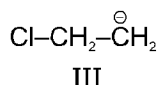
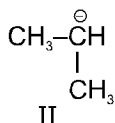
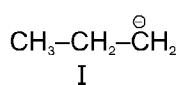


Topic : General Organic Chemistry
Type of Questions

Type of Questions	M.M., Min.
Single choice Objective ('-1' negative marking) Q.1 to Q.4	(3 marks, 3 min.) [12, 12]
Multiple choice objective ('-1' negative marking) Q.5 to Q.6	(4 marks, 4 min.) [8, 8]
Subjective Questions ('-1' negative marking) Q.7	(4 marks 5 min.) [4, 5]
Match the Following (no negative marking) Q.8	(8 marks, 10 min.) [8, 10]

1. The correct stability order for the following is



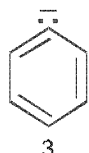
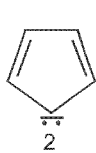
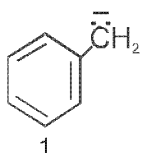
(A) III > IV > I > II

(C) IV > III > I > II

(B) I > II > III > IV

(D) III > I > IV > II

2. The stability order of :



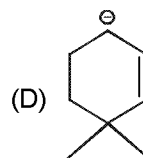
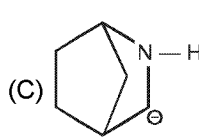
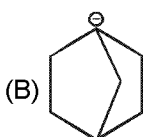
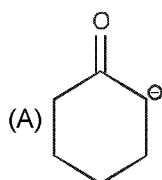
(A) 1 > 2 > 3

(B) 2 > 3 > 1

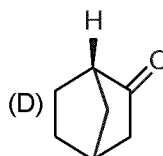
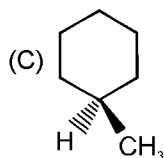
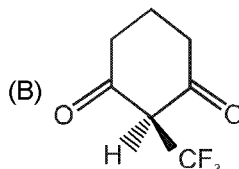
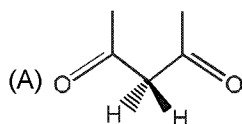
(C) 2 > 1 > 3

(D) 1 > 3 > 2

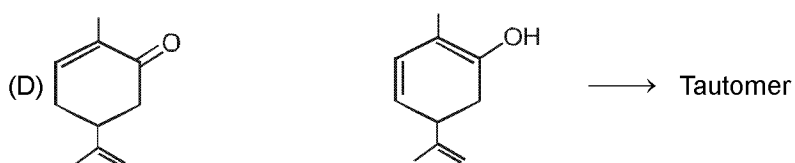
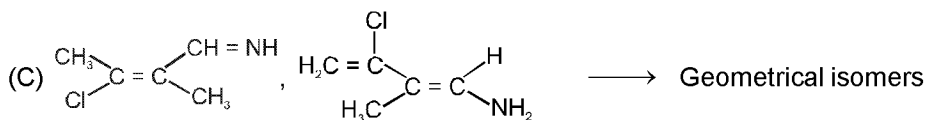
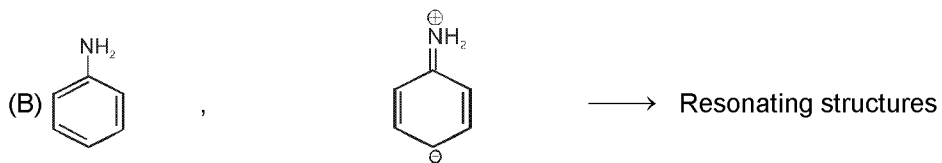
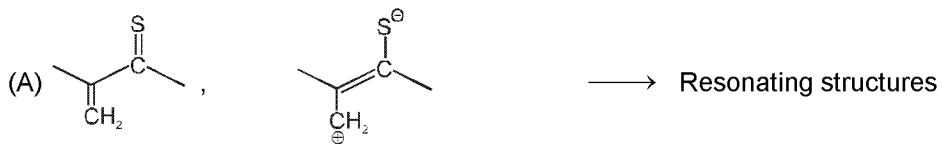
3. Which carbanion is not planar



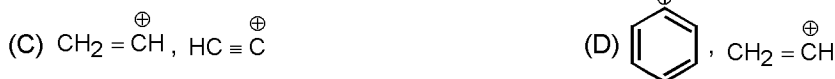
4. Which of the following do not form planar carbanion on treatment with base.



5.* Which of the following is/are correct relation between given pairs ?

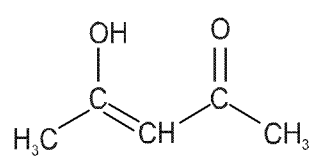
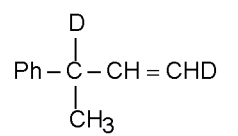
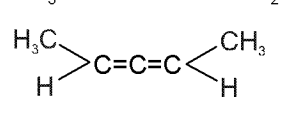


6*. In which of the following Ist is more stable than IInd :



7. How many total enolic forms (including stereoisomers) are possible for $\text{CH}_3\text{-C(=O)-CH}_2\text{-C(=O)-CH}_2\text{-CH}_3$.

8. Match the compounds given in column-I with their electronic effect and stereoisomerism in column-II.

Column-I	Column-II
(A) 	(p) Inductive effect
(B) 	(q) Resonance
(C) $\text{CH}_3\text{-CH=CH-CH=CH}_2$	(r) Geometrical isomerism
(D) 	(s) Optical isomerism
	(t) Chiral carbon



Answer Key

DPP No. # 7

1. (A) 2. (C) 3. (B) 4. (C) 5.* (ABD)
 6*. (ABC) 7. 7 8. (A) - (p, q, r) ; (B) - (p, q, r, s, t) ; (C) - (p, q, r) ; (D) - (p, s)

Hints & Solutions

DPP No. # 7

- Stability of carbon increases by electron withdrawing group.
- Stability of aromatic species is greatest.
- sp^3 hybridised carbanion is not planar species.
- * In option (A) Conjugation of π -bonds.
 In option (B) +M effect of $-NH_2$ group
 In option (C) Functional isomers.
 In option (D) Tautomers.
- The charge on more electropositive element is more stable.

