ORGANIC CHEMISTRY

DPP

DAILY PRACTICE PROBLEMS

DPP No. 1

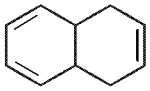
Total Marks : 32

Max. Time : 35 min.

Topic : IUPAC Nomenclature & Isomerism

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. Number of hydrogen atoms in the given compound is :



(A) 8 (B) 10 (C) 12 (D) 14

2. Ketene $CH_2 = C = O$ has

(A) Only sp^2 carbon atom

(B) Only sp carbon atom

(C) sp^2 and sp carbon atoms

(D) sp^3, sp^2 and sp carbon atoms

3. Which of the following is not an unsatrurated compound.

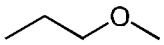
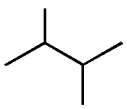
(A) $CH_3 - CH = CH - CH_3$

(B) $HC \equiv C - C \equiv CH$

(C) $CH_3 - CH_2 - CH_2 - HC$ 

(D) $CH_2 = CH - CH = CH_2$

4. Which of the following is homocyclic compound.

(A)  (B)  (C)  (D) 

5.* The alicyclic compound/s is / are

(A)  (B)  (C)  (D) 

6.* The correct options for a homologous series

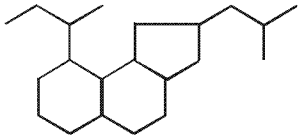
(A) All members have same general formula

(B) All members have same chemical properties

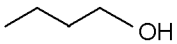
(C) All members have same physical properties

(D) All members have same functional groups

7. How many secondary carbon atom are present in the compound ?



8. **Match the following :**

	I Compounds	II Class of compounds
(A)		(p) Saturated compound
(B)		(q) Heterocyclic compound
(C)		(r) Unsaturated compound
(D)		(s) Hydrocarbon

Answer Key

DPP No. # 1

1.	(C)	**2.**	(C)	**3.**	(C)	**4.**	(D)	**5*.**	(BCD)
6*.	(ABD)	**7.**	9	**8.**	(A → p, s) ; (B → p, q) ; (C → r, s) ; (D → p)				

Hints & Solutions

DPP No. # 1

1.