

ROADMAP PROBLEM: 14 SOLUTION

A

$$\mathsf{B}$$

I
$$CH_3 - OH$$

$$\begin{array}{ccc} J & & \begin{matrix} O \\ II \\ H-C-OH \\ K & & H_2CO_3 \\ \end{array}$$

$$\Gamma$$

N

$$\begin{array}{c} O \\ O \\ C \\ - C \\ - CH_3 \end{array}$$

Q
$$CH_3 - C = O$$

$$R \qquad \bigcap_{CH_3}$$

$$U \qquad \begin{array}{c} O \\ O \\ \end{array}$$





EXTRA QUESTIONS ANSWER KEY

- 1. Ans.B,C
- 2. Ans.B,C,D
- 3. Ans. $A \rightarrow R$; $B \rightarrow S$; $C \rightarrow P$; $D \rightarrow Q$
- 4. Ans. $A \rightarrow T$; $B \rightarrow R$, S; $C \rightarrow P$; $D \rightarrow Q$, S
- 5. Ans. 3
- 6. Ans. 7
- **Sol.** N, R, T, U, W, Y, Z
- 7. Ans. 8
- **Sol.** D, H, M, N, Q, R, T, Y
- 8. Ans. 5
- **Sol.** H, Q, R, T, Y
- 9. Ans. 5

$$C \equiv CH$$
, $C \equiv CH$, $C \equiv CH$, MF , C_6H_{10} , $C \equiv CH$

10. Ans. 5 E, J, L, T, U