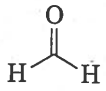
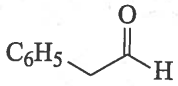
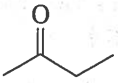
**Problems**

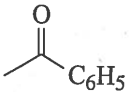
**16.22** (a)  Methanal

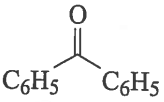
(b)  Ethanal

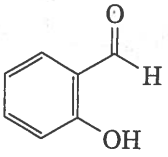
(c)  Phenylethanal

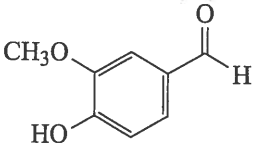
(d)  Propanone

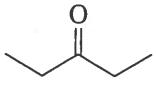
(e)  Butanone

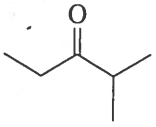
(f)  1-Phenylethanone or methyl phenyl ketone

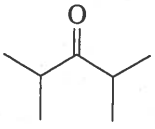
(g)  Diphenylmethanone or diphenyl ketone

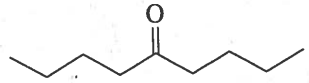
(h)  2-Hydroxybenzaldehyde or *o*-hydroxybenzaldehyde

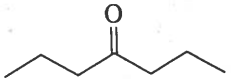
(i)  4-Hydroxy-3-methoxybenzaldehyde

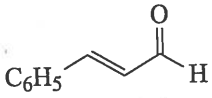
(j)  3-Pentanone

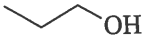
(k)  2-Methyl-3-pentanone

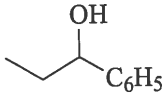
(l)  2,4-Dimethyl-3-pentanone

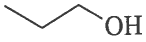
(m)  5-Nonanone

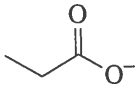
(n)  4-Heptanone

(o)  (*E*)-3-Phenylpropenal

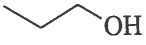
**16.23** (a) 

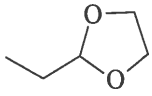
(b) 

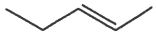
(c) 

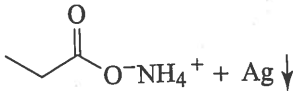
(d) 

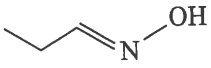
(e) 

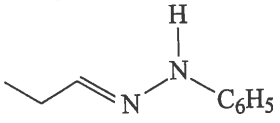
(f) 

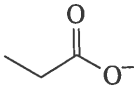
(g) 

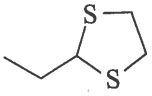
(h) 

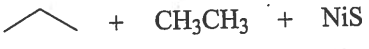
(i) 

(j) 

(k) 

(l) 

(m) 

(n) 

(o) 