

#1. (a) PROPANAL (ALDEHYDE)

(b) PENTANOIC ACID (CARBOXYLIC ACID)

(c) 6-BROMOHEPTAN-3-ONE (KETONE)

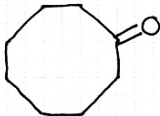
(d) ETHYL BUTANOATE (ESTER)

(e) 3-HYDROXYBUTANAL (ALDEHYDE)

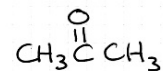
(f) PENTAN-3-ONE (KETONE)

(g) 3-ETHYLHEXANOIC ACID (CARBOXYLIC ACID)

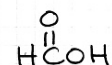
(h) BUTYL ETHANOATE (ESTER)

#2. (a) $\text{CH}_3\overset{\text{O}}{\parallel}\text{COCH}_2\text{CH}_2\text{CH}_3$ (ESTER)(b) $\text{CH}_3\overset{\text{O}}{\parallel}\text{CCH}_2\text{CH}_3$ (KETONE)(c) $\text{CH}_3\text{CH}_2\text{CH}_2\underset{\text{CH}_3}{\text{CH}}\overset{\text{O}}{\parallel}\text{CH}$ (ALDEHYDE)(d) $\text{CH}_3\overset{\text{O}}{\parallel}\text{COCH}_3$ (ESTER)(e)  (KETONE)(f) $\text{CH}_3\text{CH}_2\overset{\text{O}}{\parallel}\text{COH}$ (CARBOXYLIC ACID)(g) $\text{CH}_3\text{CH}_2\underset{\text{I}}{\text{CH}}\overset{\text{O}}{\parallel}\text{COH}$ (CARBOXYLIC ACID)(h) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\overset{\text{O}}{\parallel}\text{CH}$ (ALDEHYDE)

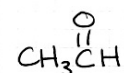
#3. (a) PROPAN-2-ONE



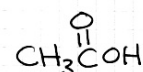
(b) METHANOIC ACID



(c) ETHANAL



(d) ETHANOIC ACID



(e) METHANAL

