Lakshya NEET (2025)

Organic Chemistry

Alcohols, Phenols and Ethers

DPP: 1

Q1 The general molecular formula, which represent the homologous series of alkanol is:

(A) $C_nH_{2n}O$

(B) $C_nH_{2n+1}O$

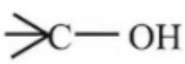
(C) $C_nH_{2n+2}O$

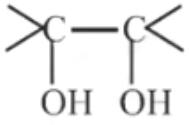
(D) $C_nH_{2n}O_2$

Q2 Which one is a primary alcoholic group?

(A) $-CH_2OH$

(B) 

(C) 

(D) 

Q3 Butan-2-ol is a

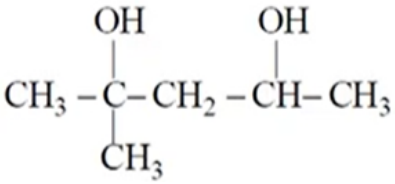
(A) Primary alcohol

(B) Secondary alcohol

(C) Tertiary alcohol

(D) Dihydric alcohol

Q4 The IUPAC name for the following compound is



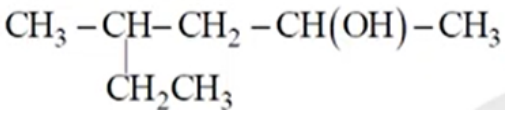
(A) 1, 1-dimethyl-1, 3-butandiol

(B) 2-methyl-2, 4-pentandiol

(C) 4-methyl-2,4-pentandiol

(D) 1,3,3-trimethyl-1, 3-propandiol

Q5 The IUPAC name ofthe compound is



(A) 2-ethylpentan-4-ol

(B) 4-ethylpentan-2-ol

(C) 4-methylhexan-2-ol

(D) 4-methylpentan-2-ol

Q6 Isobutyl alcohol is a

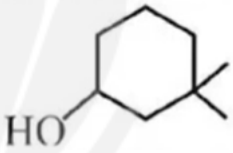
(A) Primary alcohol

(B) Secondary alcohol

(C) Tertiary alcohol

(D) None of these

Q7 The IUPAC name of the compound



(A) 3,3-dimethyl cyclohexanol

(B) 1,1-dimethyl-3-hydroxy cyclohexane

(C) 3,3-dimethyl-1-cyclohexane

(D) 1,1-dimethyl-3-cyclohexane

Q8 Glycerol has

(A) One 1° and two 2° alcoholic group

(B) One 1° and one 2° alcoholic group

(C) Two 1° and one 2° alcoholic group

(D) All are 2° alcoholic group

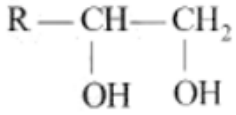
Q9 Which of the following alkenes when passed through conc. H_2SO_4 followed by hydrolysis with boiling water would give tert-butyl alcohol?

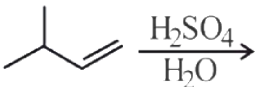
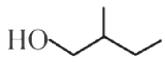
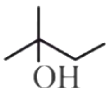
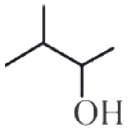
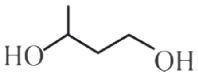
(A) Ethylene (B) Isobutylene
(C) Propylene (D) 1-Butene

Q10 Which one of the following is a secondary alcohol?
(A) 2-Methyl-1-propanol
(B) 2-Methyl-2-propanol
(C) 2-Butanol
(D) 1-Butanol

Q11 In the reaction $(CH_3)_2 - CH - CH = CH_2 \xrightarrow{H_2O/H^+} A$, A will be
(A) $(CH_3)_2 - CH - CH_2 - CH_2OH$
(B) $(CH_3)_2 - CH - CH(OH) - CH_3$
(C) $(CH_3)_2C(OH)CH_2CH_3$
(D) $CH_3CH(OH)CH_2CH_2CH_3$

Q12 Isopropyl alcohol is obtained by reacting which of the following alkenes with concentrated H_2SO_4 followed by boiling with H_2O ?
(A) 2-methylpropene
(B) Ethylene
(C) Isoprene
(D) Propylene

Q13 $RCH = CH_2$ adds on water in the presence of dilute sulphuric acid or phosphoric acid to form
(A) $R - CH(OH) - CH_3$
(B) $R - CH_2 - CH_2OH$
(C) $R - CHOH - CH_2 - CH_2 - CHOH - R$
(D) 

Q14 What is the major product of the following reaction?

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

Answer Key

Q1	(C)
Q2	(A)
Q3	(B)
Q4	(B)
Q5	(C)
Q6	(A)
Q7	(A)
Q8	(C)
Q9	(B)
Q10	(C)
Q11	(C)
Q12	(D)
Q13	(A)
Q14	(B)