

31. 2-propanol and 1-propanol show the isomerism

- A. metamerism B. functional group isomerism  
C. geometric isomerism D. position isomerism

**Answer:** Option D

32. Which of the following is an amide

- A.  $\text{R-NH}_2$  B.  $\text{RCONH}_2$   
C.  $\text{R-NH-R}$  D.  $\text{C}_6\text{H}_5\text{NH}_2$

**Answer:** Option B

33. In  $\text{sp}^3$  hybridization the expected geometry of molecules will be

- A. square planar B. trigonal pyramidal  
C. tetrahedral D. linear

**Answer:** Option C

34. Only sigma bonds are present in

- A. propene B. butanoic acid  
C. butanal D. ethoxy ethane

**Answer:** Option D

35. In cyano group the carbon atom shows which kind of hybridization

- A.  $\text{sp}^2$  B.  $\text{sp}$   
C.  $\text{sp}^3$  D. none of the above

**Answer:** Option B

36. The structure of ethyne is

A. angular

B. trigonal

C. linear

D. trigonal planar

**Answer:** Option c

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37. the fractional distillation of petroleum produces gasoline up to

A. 10%

B. 15%

C. 20%

D. 30%

**Answer:** Option c

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38. The general formula of cycloalkene is

A.  $C_nH_{2n}$

B.  $C_nH_{2n+2}$

C.  $C_nH_{2n-1}$

D.  $C_nH_{2n-2}$

**Answer:** Option D

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39. Which is not heterocyclic compound

A. Furan

B. Thiophene

C. Aniline

D. Pyridine

**Answer:** Option c

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40.  $C_5H_{12}$  has the number of isomers

A. one

B. two

C. three

D. four

**Answer:** Option c