

## **CHEMISTRY**

# **JEE MAIN AND ADVANCED**

## **MOCK TEST 29**

**Example** 

1. how many structural isomers are possible

for  $C_6H_{14}$ ?

- A. 4
- B. 5
- C. 6
- D. 7

#### **Answer: B**



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**2.** which molecule will be exhibit keto-enol tautomerism?











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**3.** which alkene will not show geometrical isomerism?

$$A. XYC = CXY$$

B. 
$$XYC = CXZ$$

$$\mathsf{C}.\,XYC=CZW$$

$$\mathsf{D}.\,XYC=CXX$$



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**4.** the enol form of hept-5-en-2 — one contains

- A. 17 sigma-bonds and  $2\pi$ -bonds
- B. 19sigma-bonds and  $2\pi$ -bonds
- C. 15 sigma-bonds and  $1\pi$ -bond
- D. 21 sigma-bonds and  $2\pi$ -bonds

## Answer: B



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**5.** which of the following is not an isomer of pentanal

- A. 2-pentanone
- B. 3-pentanone
- C. 3-Methylbutanone
- D. 3-Methyl-2-butanol



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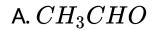
**6.** nitromethane will exhibit which type of isomerism?

- A. metamerism
- B. geometrical isomerism
- C. tautomerism
- D. optical isomerism



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**7.** enol content will be maximum in which of given compound?



В. 🗾

C. 🗾

D. 🖳

#### **Answer: C**



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**8.** total number of isomeric alcohols (excluding stereoisomerism) with formula  $C_5H_{12}O$  is

- **A.** 5
- B. 6
- C. 7
- D. 8



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**9.** which of the following compound will show stereo isomerism?

- A. 3-Pentarol
- B. 3-Pentanone
- C. But-2-ene
- D. Propane



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**10.** structure of compound having IUPAC nomenclature, 2-chloro-4-methylaniline is











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**11.** which among the following is a Z alkene?











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