

**Worksheet: Organic Chemistry — Basic Principles**

Madhya Pradesh State Board · Class 11 · Chemistry · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** What is a chiral carbon? Give an example. [2 marks]

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**Q2.** Name  $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-CH}=\text{CH}_2$  by IUPAC rules. [2 marks]

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**Q3.** Arrange ethanol, acetic acid, phenol, and water in decreasing order of acidity. [3 marks]

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**Q4.** Define resonance and state the conditions for it. [3 marks]

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**Q5.** Why is a tertiary carbocation more stable than a primary carbocation? [3 marks]

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