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| Date Planned : __ / __ / __ | Daily Tutorial Sheet-14 | Expected Duration : 90 Min |
| Actual Date of Attempt : __ / __ / __ | Level-3 | Exact Duration : _____ |

153. Number of geometrical isomers of given compound are :



- (A) 2 (B) 4 (C) 6 (D) 8

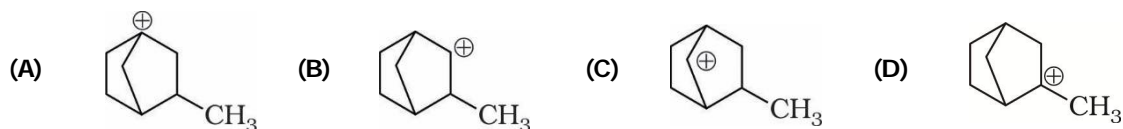
154. Which of the following is not a planar molecule ?

- (A) $\text{H}_2\text{C} = \text{C} = \text{CH}_2$ (B) $\text{H}_2\text{C} = \text{C} = \text{C} = \text{CH}_2$
(C) $\text{H}_2\text{C} = \text{C} = \text{O}$ (D) $\text{NC} - \text{HC} = \text{CH} - \text{CN}$

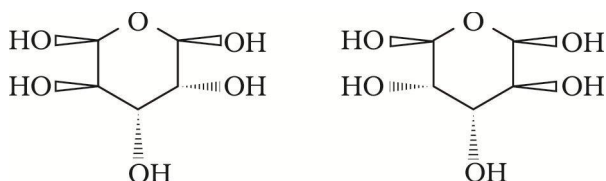
155. Which of the following statements about cyclooctatetraene is NOT true ?

- (A) The compound rapidly decolorizes $\text{Br}_2 / \text{CCl}_4$ solutions. (test for unsaturated hydrocarbon)
(B) The compound readily adds hydrogen
(C) The compound is nonplanar
(D) The compound is comparable to benzene in stability

156. Which of the following carbocation is most stable ?



157. The following compounds differ in respect of :



- (A) Their chemical and physical properties
(B) The direction in which they rotate the plane of polarized light
(C) Their interaction with optically inactive molecule
(D) All are correct

158. Which of the following shows no bond resonance ?

