

Assertion (A) : The compound cyclooctatetraene has the following structural formula :



It is cyclic and has conjugated 8π -electron system but it is not an aromatic compound.

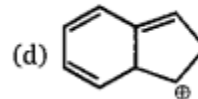
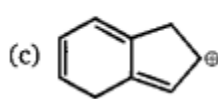
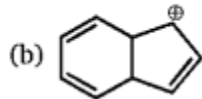
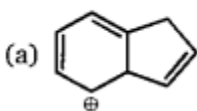
Reason (R) : $(4n + 2) \pi$ electrons rule does not hold good and ring is not planar.

- (i) Both A and R are correct and R is the correct explanation of A.
- (ii) Both A and R are correct but R is not the correct explanation of A.
- (iii) Both A and R are not correct.
- (iv) A is not correct but R is correct.

ANS : 1

Reason : the planarity is lost which makes it non aromatic.

Which carbocation is the most stabilized ?



Ans: 3

Reason : It has most number of extended resonating bonds.