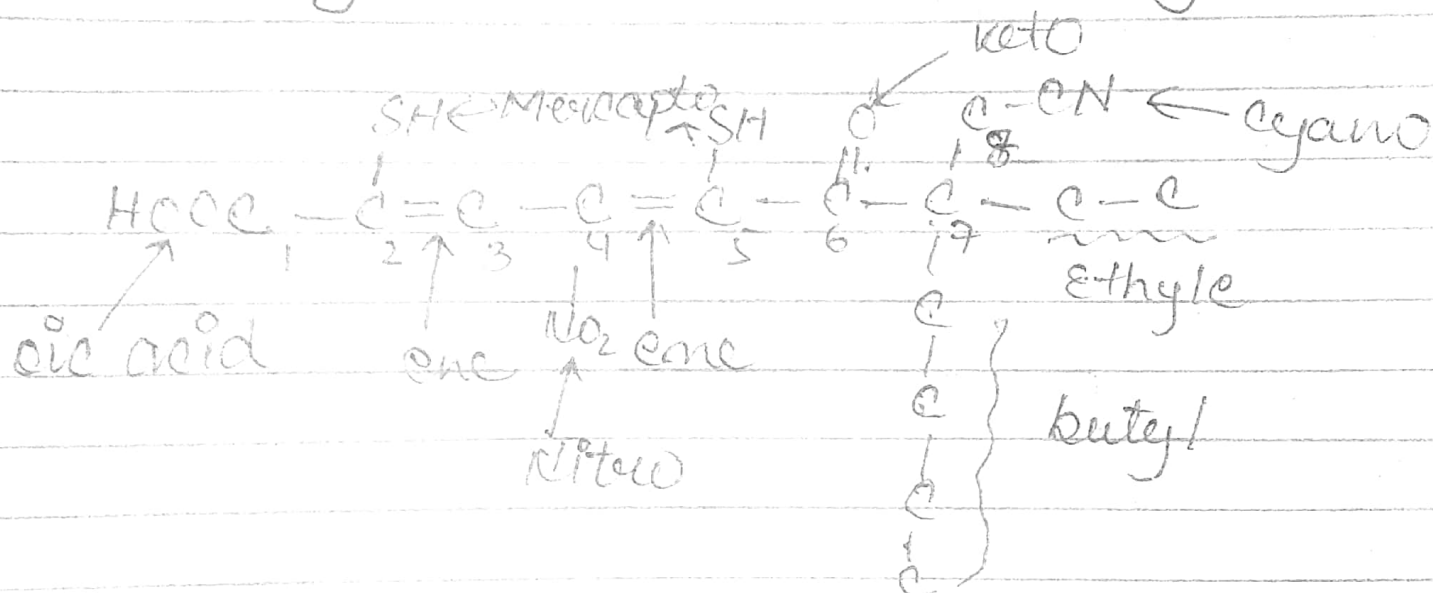


(d) When functional group present then cannot obey long chain rule i.e. do numbering towards functional group.

eg



→ Oct-7-butyl-8-cyano-2,4-diene-7-ethyl-6-methyl-2,5-dimercapto-4-nitro-1-oic acid.

*



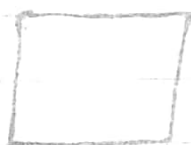
Cyclohexane
ring 6C - bond

→ cyclohex.



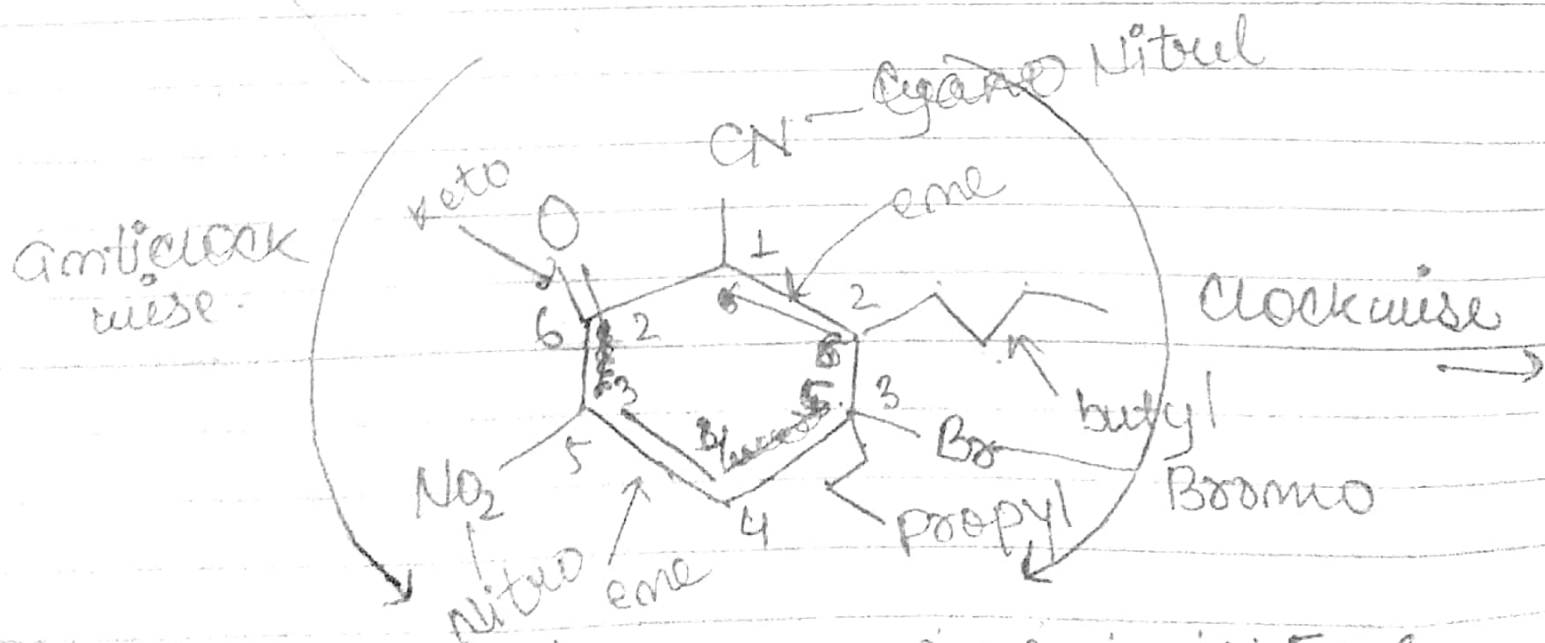
Cyclopentane
ring 5C - bond

→ Cyclopent.



Cyclobutane
ring 4C - bond

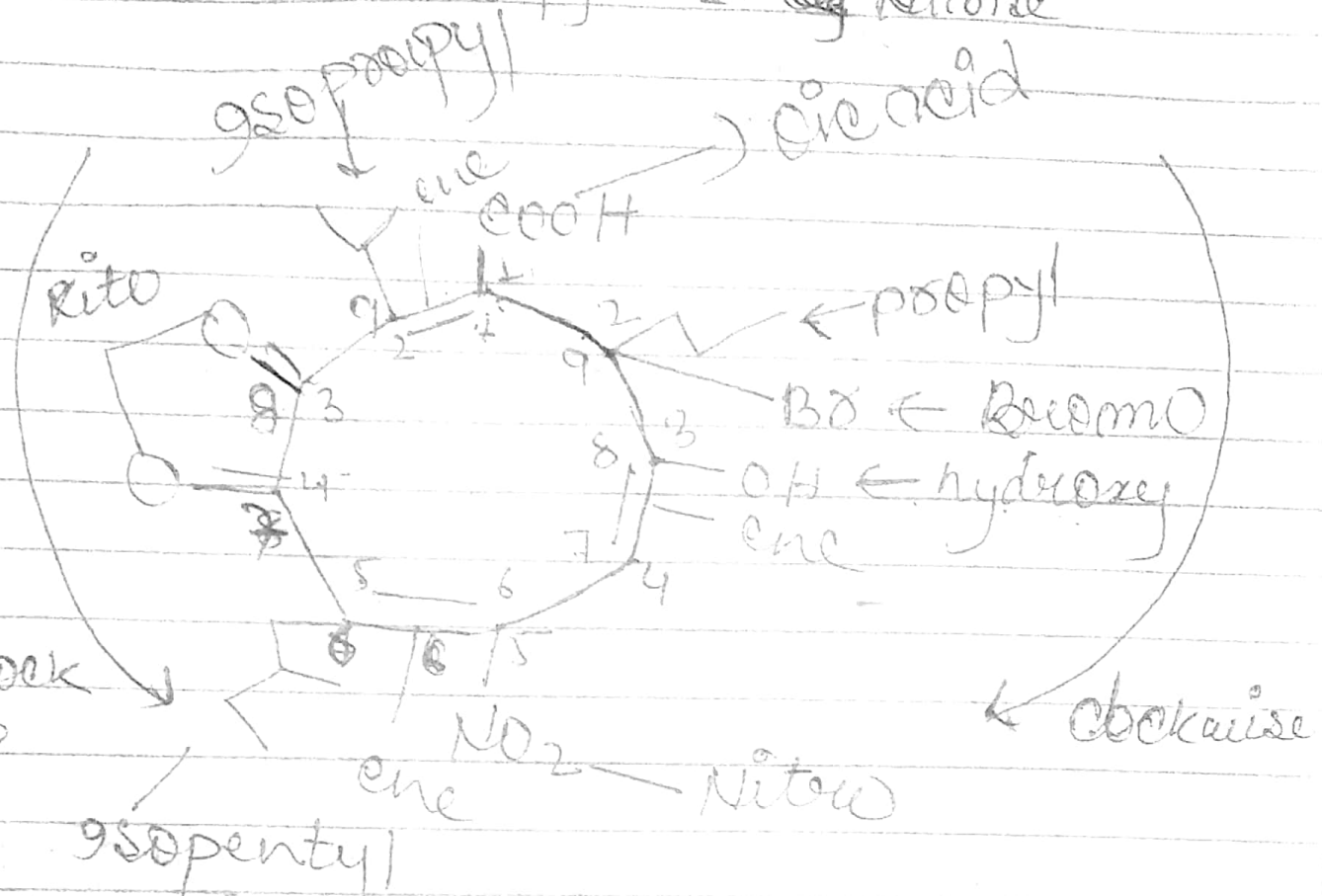
→ cyclobut.



Sum of Clock wise → 1+1+2+3+3+4+5+6
= 25 ✓

Sum of Anti clock wise → 1+2+3+3+5+5+6+6
= 31 ✗

Cyclohexa-3-Bromo-2-butyl-1,4-diene-6-keto-
5-Nitro-3-Propyl-1-ene Nitroide



Sum of clockwise $\Rightarrow 1+2+2+3+3+5+5$
 $+6+7+8+9+9$
 $= 60$

Sum of anticlockwise $=$
 $1+1+2+3+4+5+5+6+7+8+9+9$
 $= 60$

Cyclomon-9-Bromo-1,5,7-triene-8-hydroxy-5-isopentyl-2-isopropyl-3,4-di-keto-6-Nitro-1-ene acid.
 9-Propyl-1-ene acid.