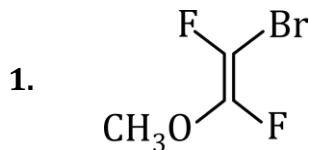


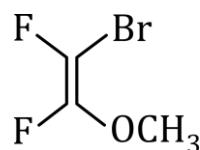


## SOLUTION DPP-01

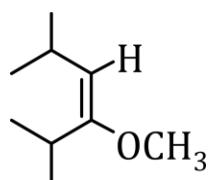
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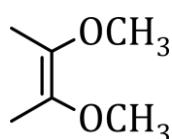
Higher priority group are opposite side - Trans, E



Higher priority group are same side - Cis, Z

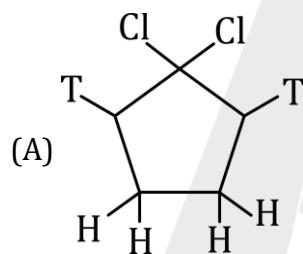


Higher priority group are opposite side - Trans, E

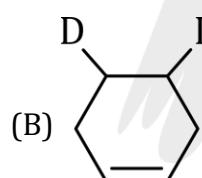


Higher priority group are same side - Cis, Z

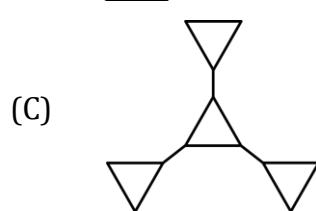
2. (A,B,C)



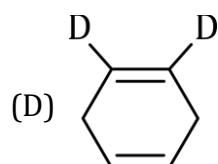
→ will show geometrical isomerism



→ will show geometrical isomerism



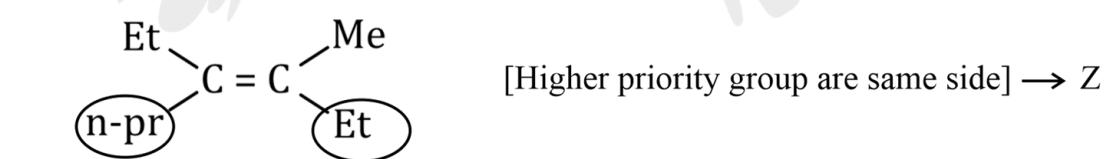
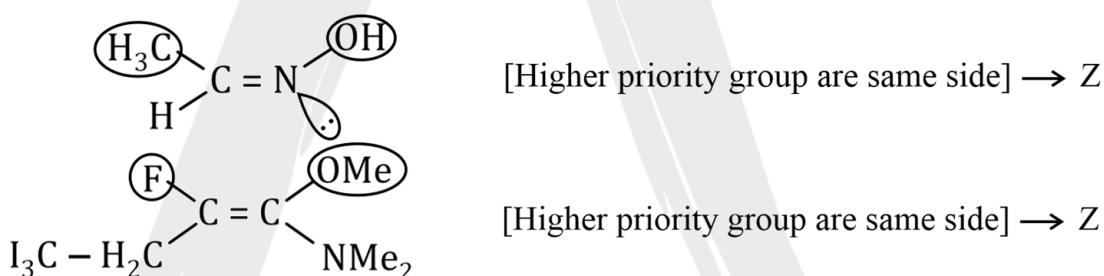
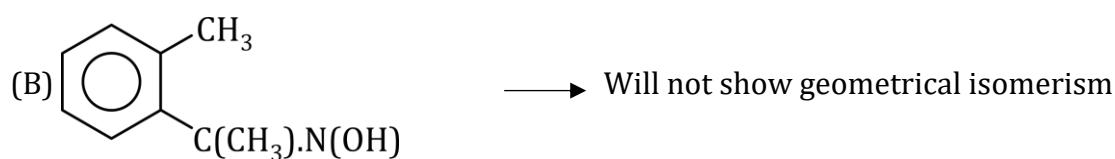
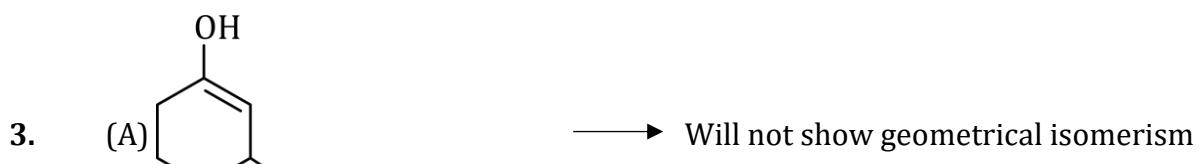
→ will show geometrical isomerism



→ will not show geometrical isomerism

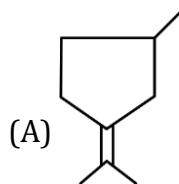


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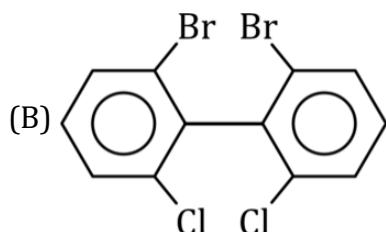


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5. Geometrical Isomerism:-



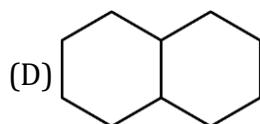
→ will not show geometrical isomerism



→ will show geometrical isomerism

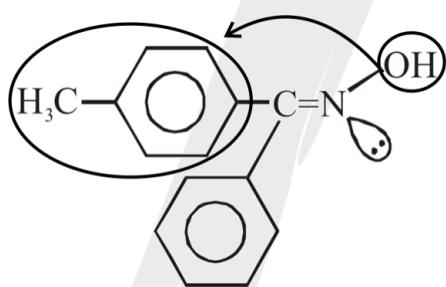


→ will not show geometrical isomerism



→ will not show geometrical isomerism

6.



→ Syn-p-tolyl phenyl ketoxime

→ Z Isomer

7. (A) → (II)

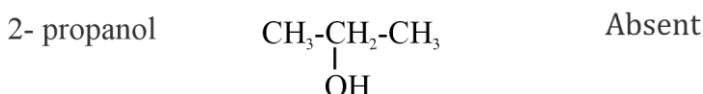
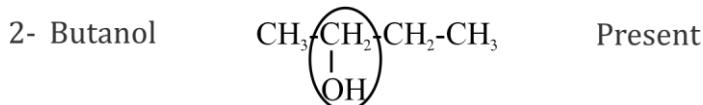
(B) → (I)

(C) → (I), (II) & (IV)

(D) → (I), (II), (III) & (IV)

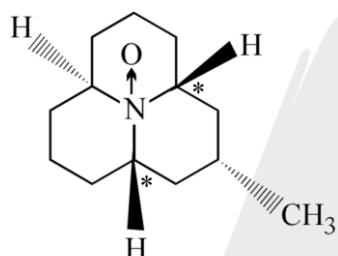
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8. Simplest Alcohol to Exhibit optical Isomerism.



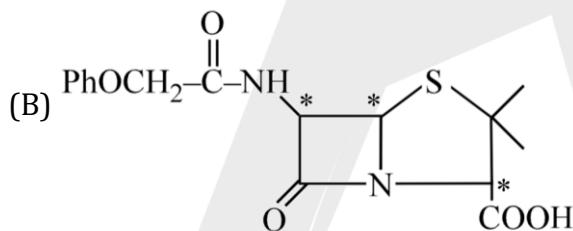
9.

(A)



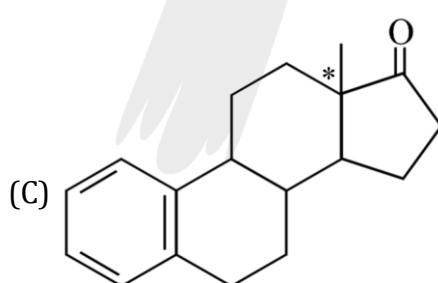
Number of chiral centre = 2

(B)



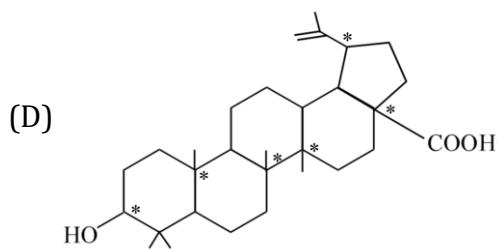
Number of chiral centre = 3

(C)



Number of chiral centre = 1

(D)

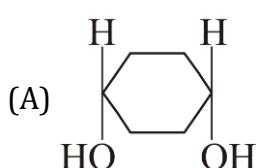


Number of chiral centre = 6

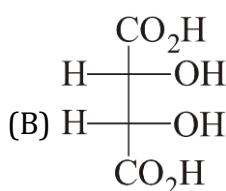


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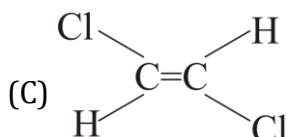
10.



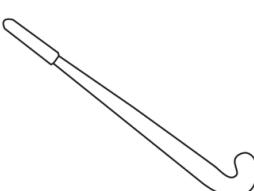
Plane of symmetry Present



Plane of symmetry Present



Plane of symmetry Present

(D) 

Plane of symmetry Absent