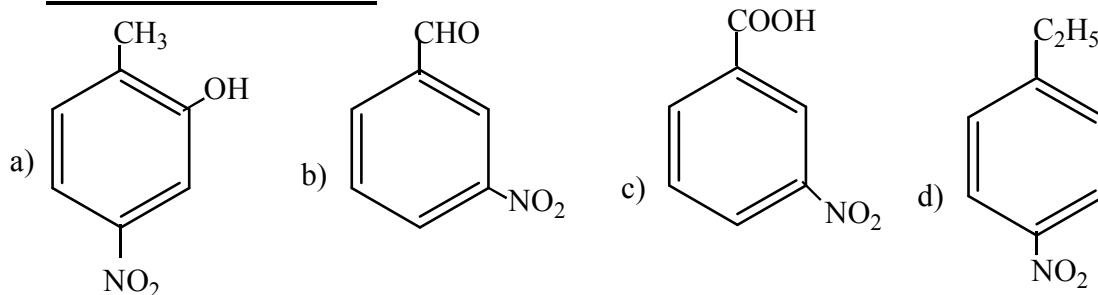


Chem. 106 Exam  
Model B

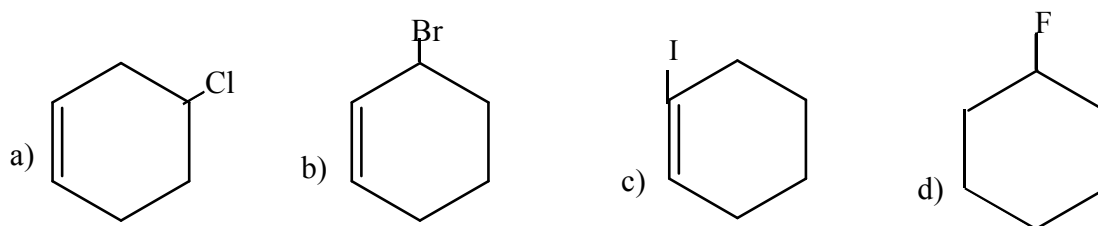
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1. Meta-Nitro benzoic acid is:



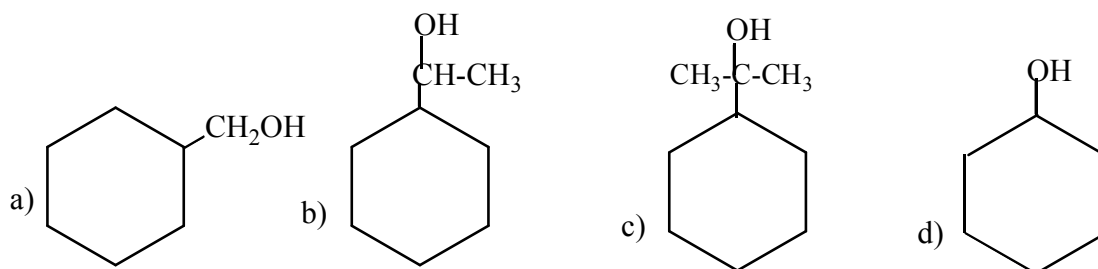
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2. Which one from the following is an example of allyl halide?



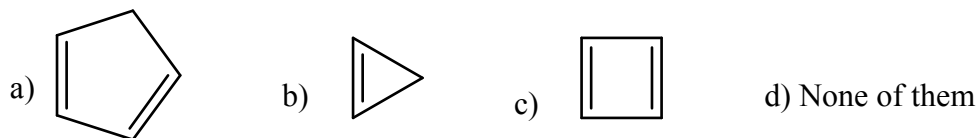
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3. Which of the following is 3° alcohol ?



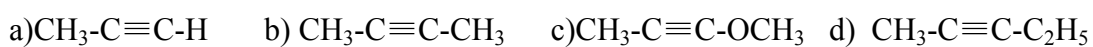
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4. Which of the following is aromatic ?



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5. Which of the following compounds will give precipitate when react with  $\text{Ag}(\text{NH}_3)_2\text{NO}_3$

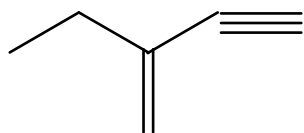


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6. Ortho Para director is :



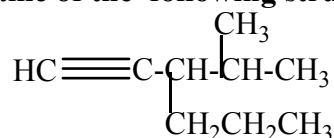
7. The IUPAC name for the following structure



is:

- a) 1-Pentyne-3-ene.  
b) 2-Ethyl-1-buten-3-yne.  
c) 3-Ethyl-1-pentyne.  
d) 3-ethyl-3-buten-1-yne.
- 

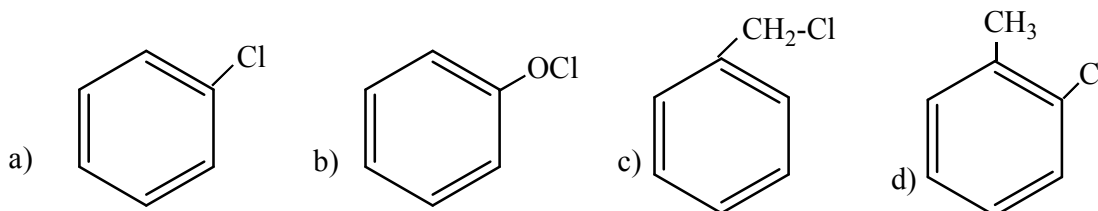
8. The name of the following structure



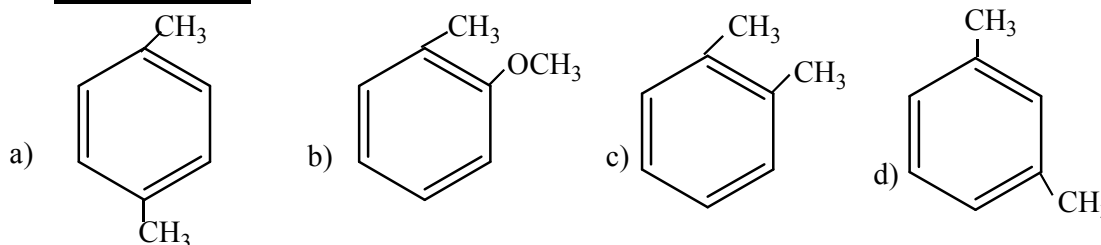
is:

- a) 3-Propyl-1-pentyne  
b) 2-Methyl-3-propyl-4-pentyne.  
c) 4-Isopropyl-5-hexyne.  
d) 3-Isopropyl-1-hexyne.
- 

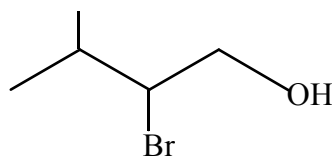
9. Benzyl chloride is:



10. Ortho-Xylene is:



11. The IUPAC name of this structure



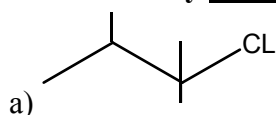
is :

- a) 2-Bromo-3-methyl-1-butanol.  
b) 3-Bromo-2-methyl-3-butanol.  
c) 3-Bromo-2-butane-4-ol  
d) none of the above
- 

12. The shortest bond length between carbon atoms is in the following structure

- a)  $\text{HC}\equiv\text{CH}$   
b)  $\text{H}_2\text{C}=\text{CH}_2$   
c)  $\text{CH}_3-\text{CH}_3$   
d)  $\text{CH}_3-\text{OH}$
- 

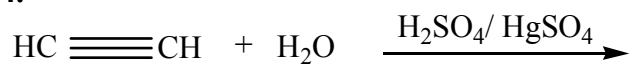
13. Secondary ( $2^\circ$ ) organic halide is :



- b)  $\text{CH}_3-\text{CH}_2-\text{CH}_2\text{Cl}$   
c)  $\text{CH}_3-\text{CHBr}-\text{CH}_3$   
d)  $\text{CH}_3\text{I}$
-

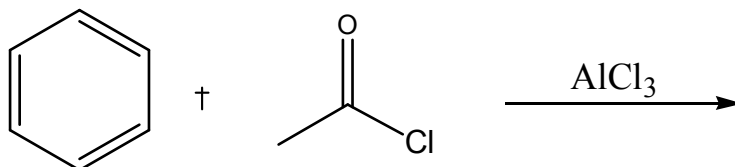
Choose (the product) or (the major product) of the following reactions

14.



- a)  $\text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{H}$       b)  $\text{CH}_3\text{CH}_2\text{CHO}$       c)  $\text{H}_2\text{C}=\overset{\text{OH}}{\text{C}}-\text{CH}_3$       d)  $\text{CH}_3-\text{CHOH}-\text{CH}_3$

15.



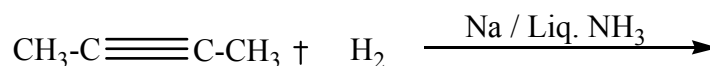
- a)      b)      c)      d)

16.



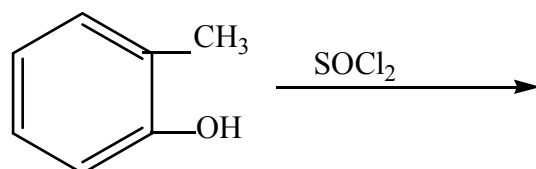
- a) 1,2-Dichlorobutane      b) 2,2-Dichlorobutane  
c) 1,1-Dichlorobutane      d) 1,4-Dichlorobutane

17.



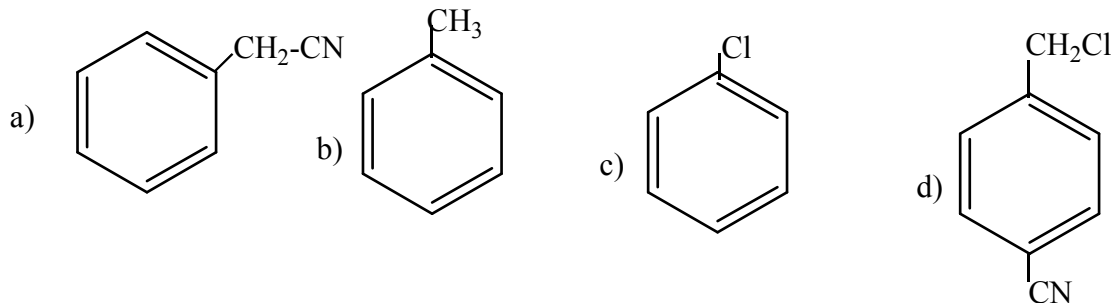
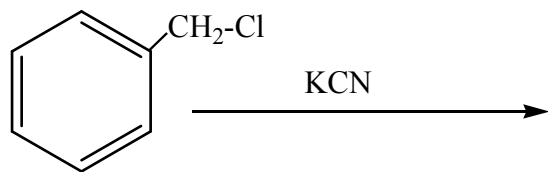
- a)      a)      a)      a)  $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_3$

18.

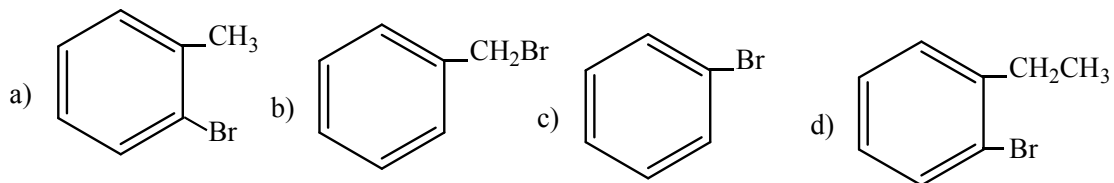
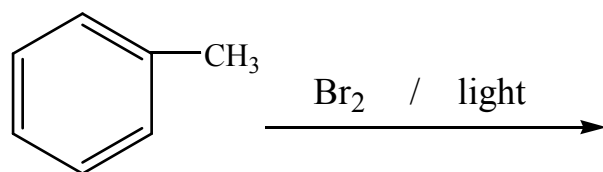


- a)      b)      c)      d)

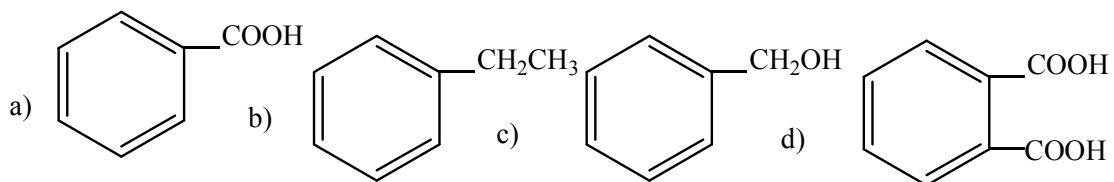
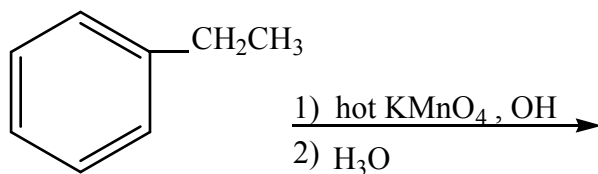
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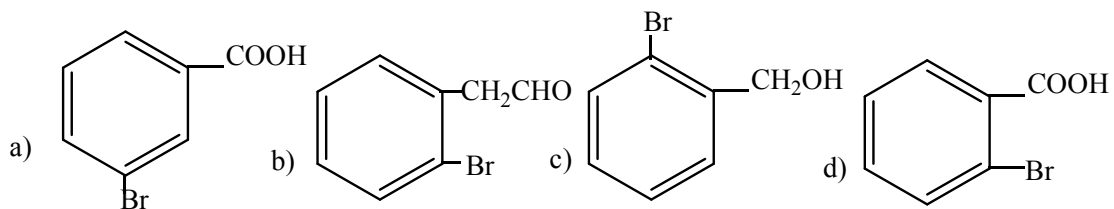
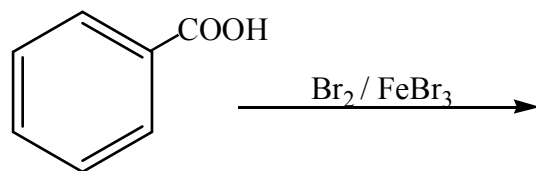
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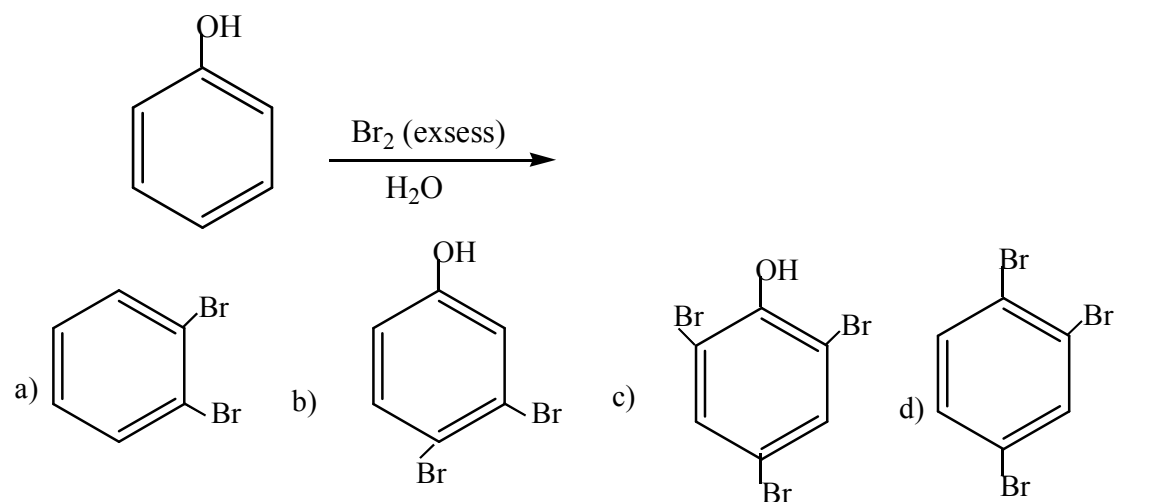
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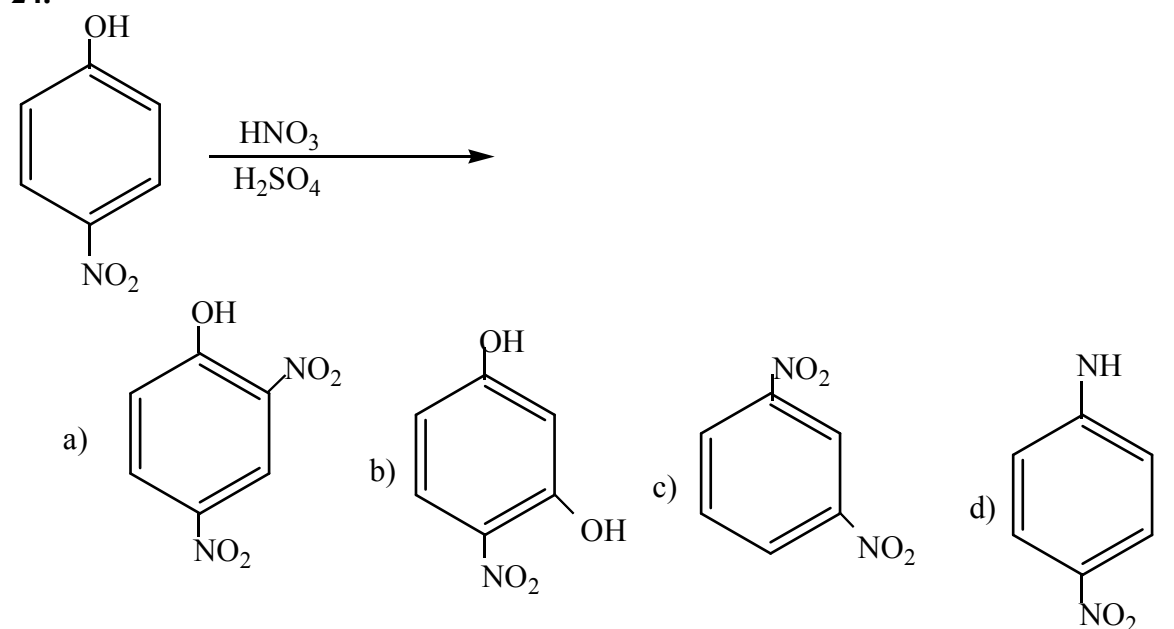
22.



23.



24.



25.

