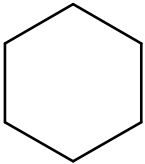
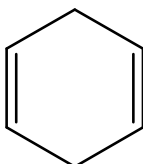
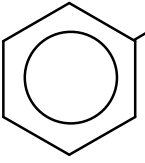

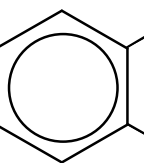
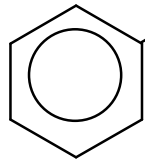
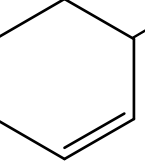
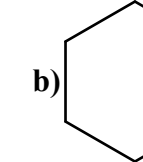
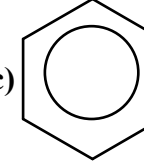
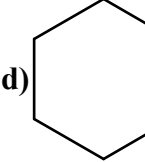
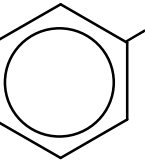
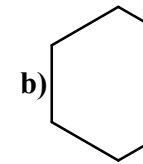
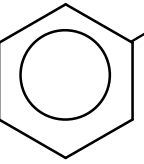
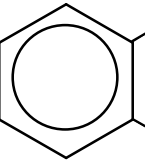
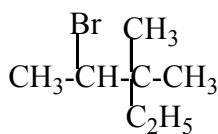


**Chem. 106 Exam
Model C**

Choose the correct answer:

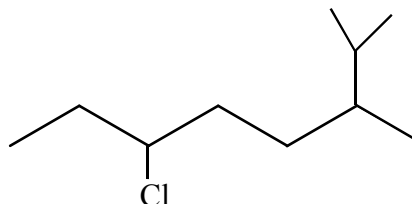
(1) <input type="radio"/>	<p>Which of the following is <u>structural isomer</u> of cyclohexane?</p> <p>a)  b)  c) $\text{CH}_3-\overset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\text{C}\equiv\text{CH}$ d) $\begin{array}{l} \text{CH}=\text{CH}_2 \\ \\ \text{CH}_3-\text{CH}_2 \\ \\ \text{CH}_2\text{CH}_3 \end{array}$</p>
(2) <input type="radio"/>	<p>Which of these compounds is the <u>most Basic</u> ?</p> <p>a)  b)  c)  d) </p>
(3) <input type="radio"/>	<p>Which of the following compounds is an example of <u>vinyl halides</u> ?</p> <p>a)  b)  c)  d) </p>
(4) <input type="radio"/>	<p>Resonance energy of benzene is:</p> <p>a) 45 Kcal/M b) 36 Kcal/M c) 23 Kcal/M d) 82 Kcal/M</p>
(5) <input type="radio"/>	<p>Cyclohexanol is :</p> <p>a) 1° Alcohol b) Phenol c) 2° Alcohol d) 3° Alcohol</p>
(6) <input type="radio"/>	<p>Which of the following will <u>react with weak base</u>?</p> <p>a)  b)  c)  d) </p>
(7) <input type="radio"/>	<p>Which of the following compounds <u>can give Iodoform test</u> ?</p> <p>a) $\text{CH}_3-\text{CH}_2-\overset{\text{O}}{\parallel}{\text{C}}\text{H}$ b) $\text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{CH}_3$ c) $\overset{\text{O}}{\parallel}{\text{C}}\text{H}$ d) $\text{CH}_3-\text{CH}_2\text{COOH}$</p>

(8)



is: a) 2-Bromo-3,3-dimethylpentane b) 3-Bromo-2-methyl-butane
c) 2-Bromo-3-ethyl-3-methylbutane d) 3,3-Dimethyl-4-bromopentene

(9)

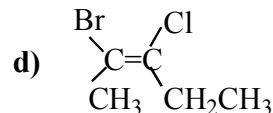
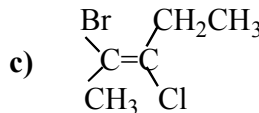
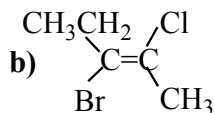
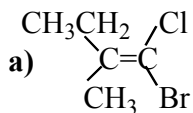


Is: a) 6-Chloro-2,3-dimethyloctane. b) 3-Chloro-6-isopropylheptane.
c) 3-Chloro-6,7-dimethyloctane d) 2-Isopropyl-5-chloroheptane.

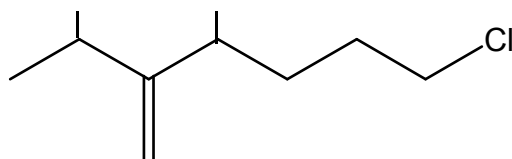
(10)



(Z)-2-Bromo-3-chloro-2-pentene is :

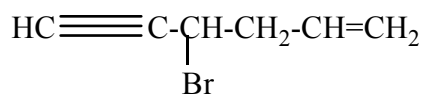


(11)



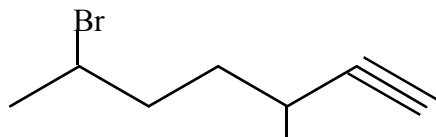
is: a) 6-Chloro-2-isopropyl-3-methyl-1-hexene. b) 2,4-Dimethyl-7-chloroheptane.
c) 1-Chloro-4,6-dimethyl octane. d) 2-isopropyl-3-methyl-6-chloroheptane.

(12)



Is: a) 4-Bromo-1-hexene-5-yne. b) 3-Bromo-1,5-hexadiene.
c) 4-Bromo-5-hexyne. d) 3-Bromo-heptene-1-yne

(13)

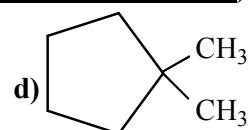
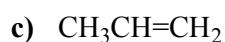
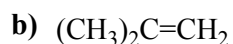
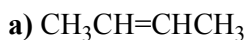


Is: a) 6-Bromo-3-methyl-1-heptyne. b) 2-Bromomethylheptyne
c) 5-methyl-2-bromoheptene d) 3-methyl-6-bromo-2-heptyne

(14)



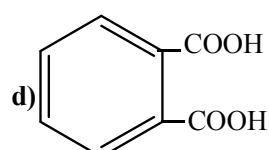
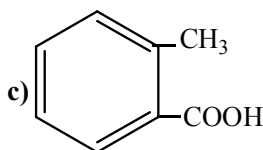
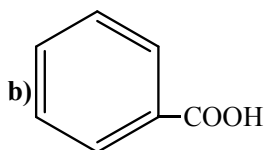
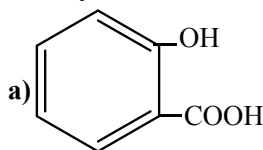
Which of the following compounds can exist as geometrical isomers (cis or trans)?



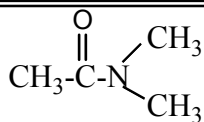
(15)



Salicylic acid is:



(16)



is: a) N,N-Dimethylethanamide

b) Dimethylamine

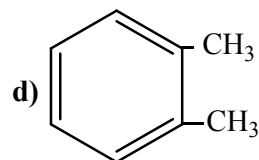
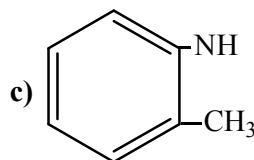
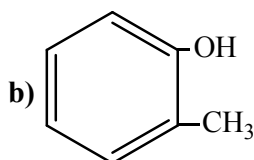
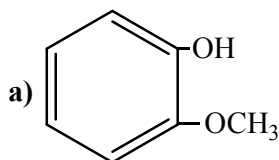
c) methyl ethylamine

d) Dimethylacetamide

(17)



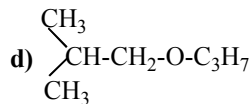
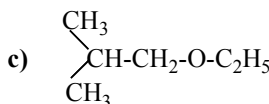
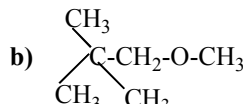
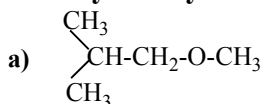
Ortho-Cresol is:



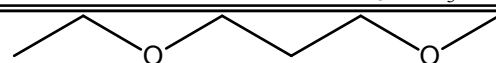
(18)



Isobutylmethyl ether is :



(19)



b) 1-Methoxy-3-ethoxypropane

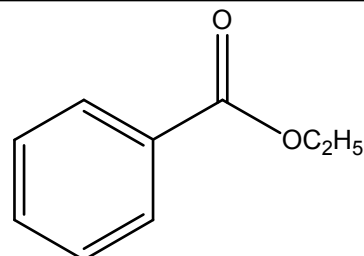
Is :

a) 1-Ethoxy-3-methoxypropane.

c) Dimethoxy propane

d) 5-ethoxy pentane

(20)



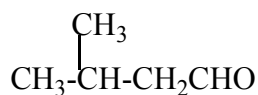
Is : a) Ethylbenzoate

b) Phenyl acetate

c) Benzylpropanoate

d) Benzylacetate

(21)



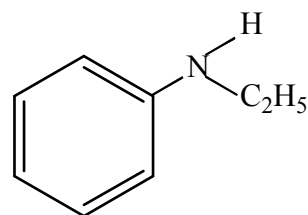
Is: a) 3-Methylbutanal.

b) 2-Methyl-4-butanal.

c) 3-Methylpentanal.

d) 3,3-Dimethylpropanal

(22)



Is: a) N-Ethylaniline

b) Cyclohexylamine

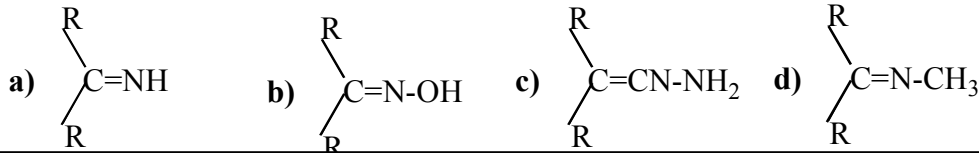
c) N,N-Ethylaniline.

d) Methyl benzylamine

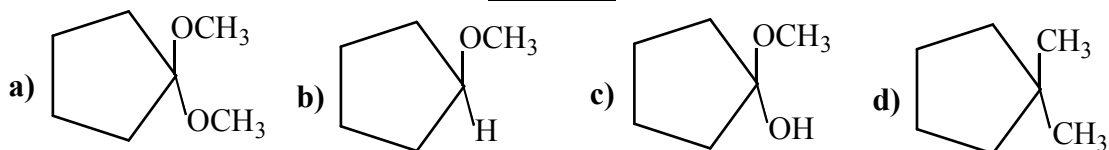
(23) Which of the following is 3° amine ?
a) $(\text{CH}_3)_3\text{N}$ b) $(\text{CH}_3)_2\text{CNH}_2$ c) $(\text{CH}_3)_2\text{NH}$ d) $(\text{CH}_3)_2\text{-CNH-CH}_3$



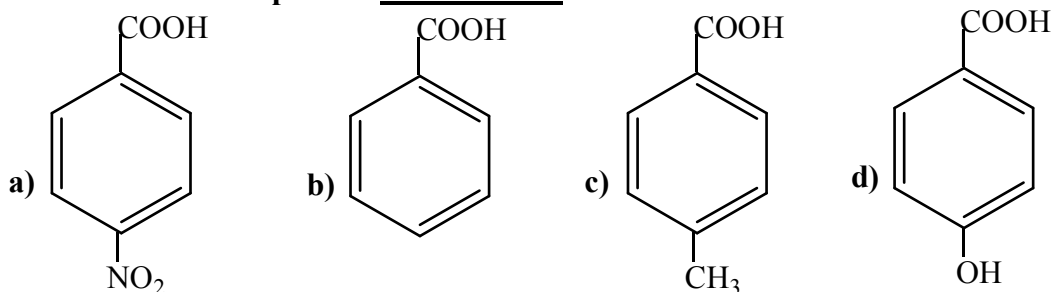
(24) Which of these compounds is Oxime ?



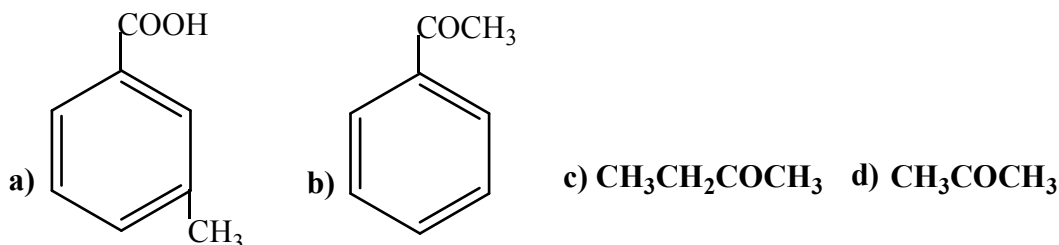
(25) Which of the following compounds is Ketal ?



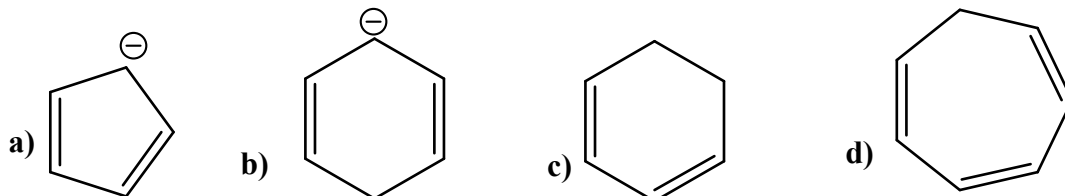
(26) Which of these compounds is most acidic?



(27) Which of the following compounds can not give aldol condensation ?



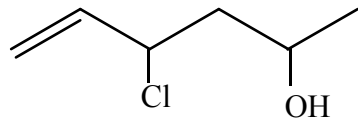
(28) Which of the following compounds is aromatic?



(29) $\text{CH}_3\text{-CH}_2\text{-CH}_3 + \text{Br}_2 \xrightarrow{\text{Light}}$

- a) 1-Bromopropane b) 2-Bromopropane
c) 1,1-Dibromopropane d) 1,3-Dibromopropane

(30)

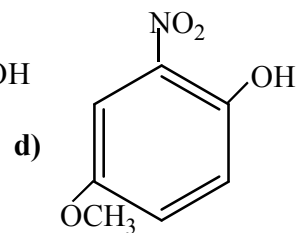
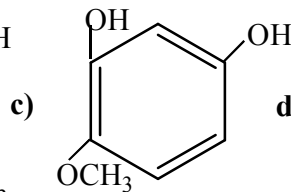
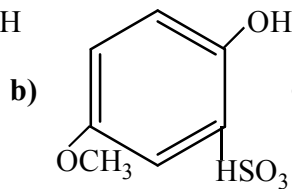
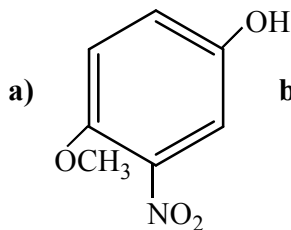
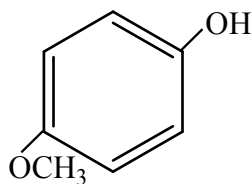


is:

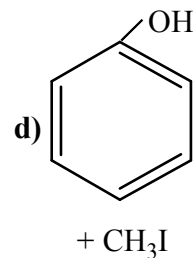
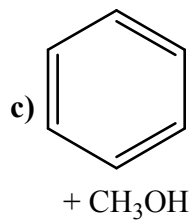
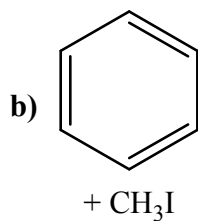
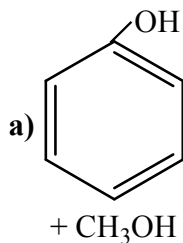
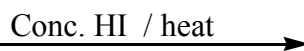
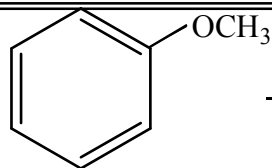
- a) 4-Chloro-6-hexene-2-ol
c) 4-Chloro-5-hexene-3-ol.

- b) 3-Chloro-1-hexane-4-ol
d) 4-Chloro-6-hexene-3-ol.

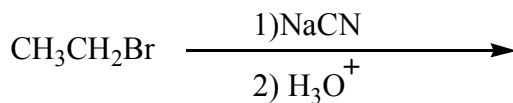
(31)



(32)

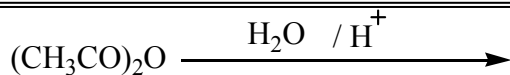


(33)



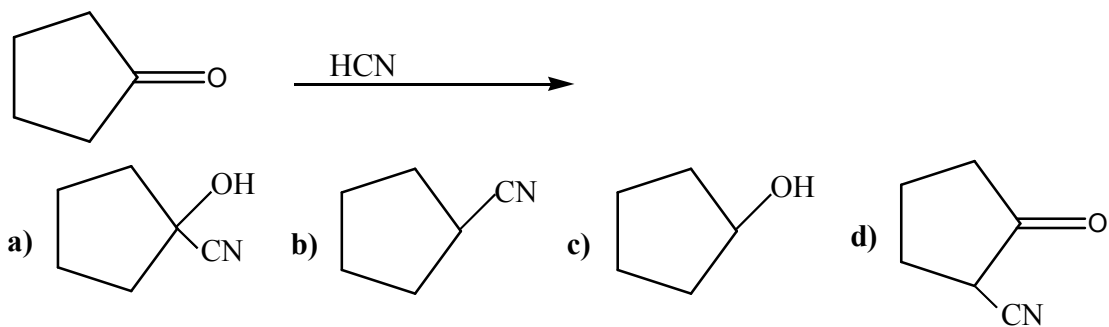
- a) CH₃CH₂CO₂H b) CH₃CO₂H c) CH₃CH₂CH₂NH₂ d) CH₃CH₂NH₂

(34)



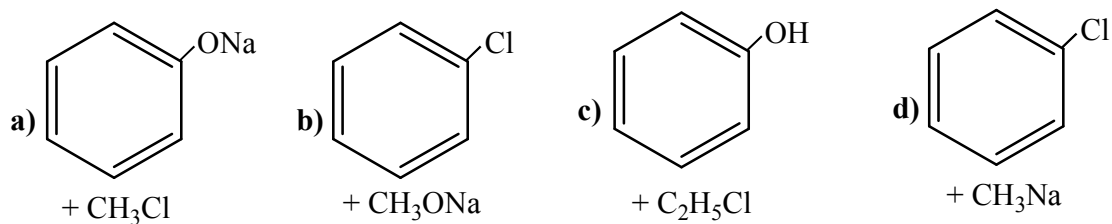
- a) 2 CH₃-COOH b) 2 CH₃-CH₂OH c) 2 CH₃-CHO d) 2 CH₃-CH₂-CH₃

(35)

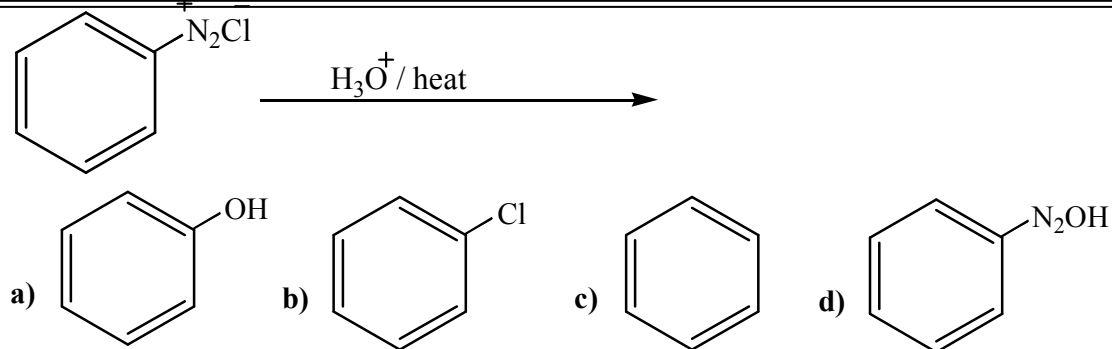


which of the following set of reaction can form Anisole ?

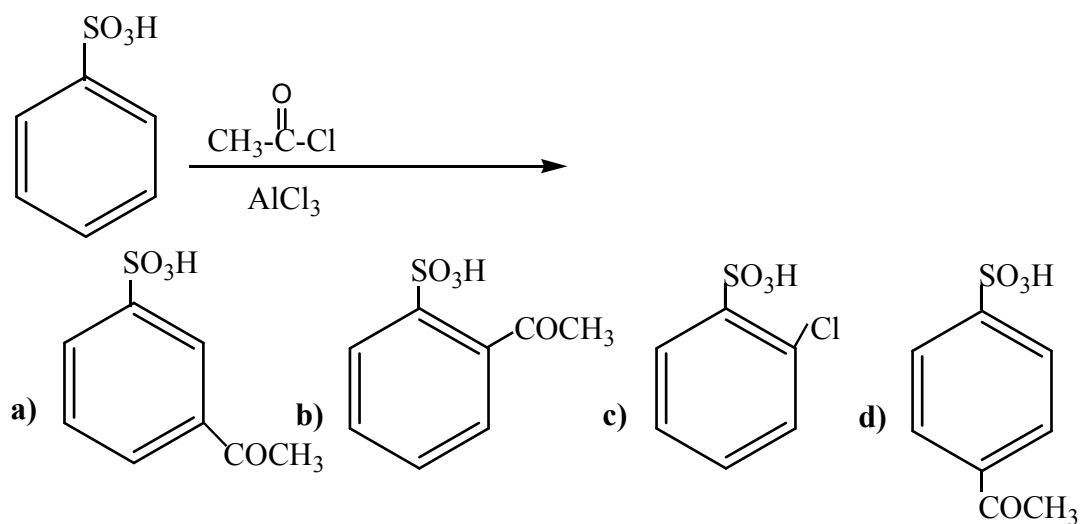
(36)



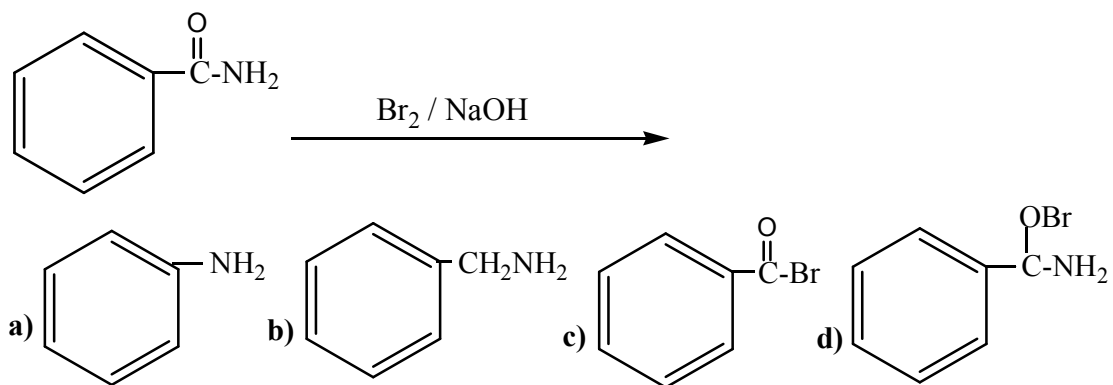
(37)



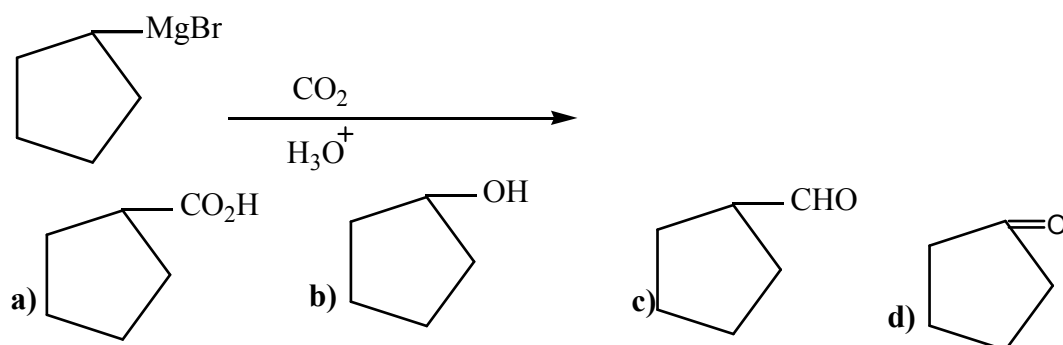
(38)



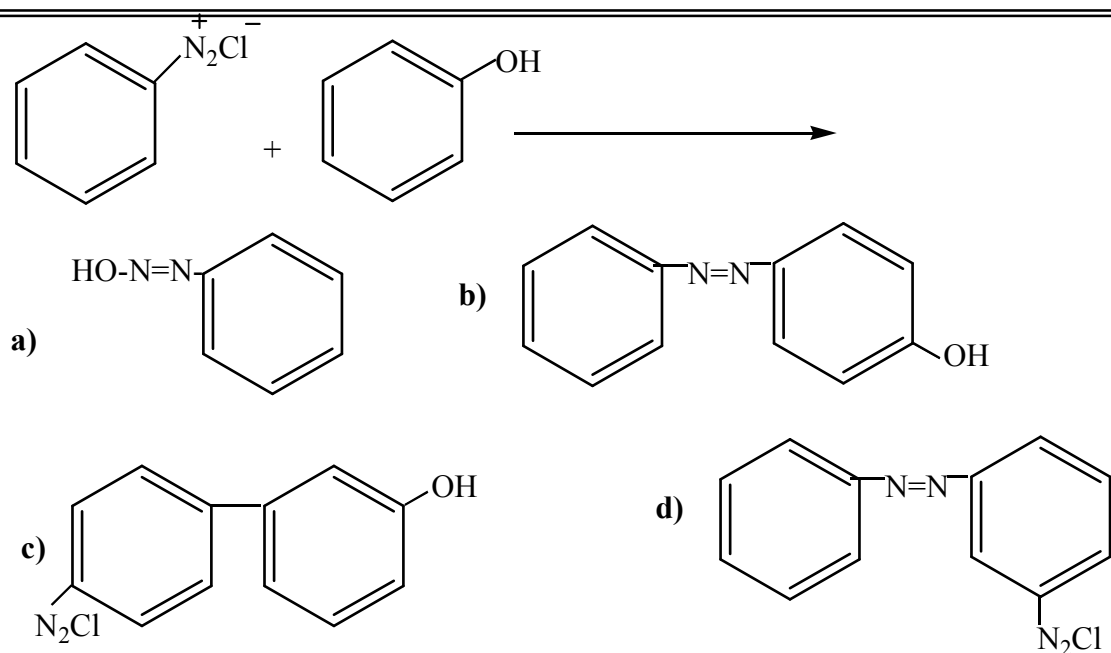
(39)



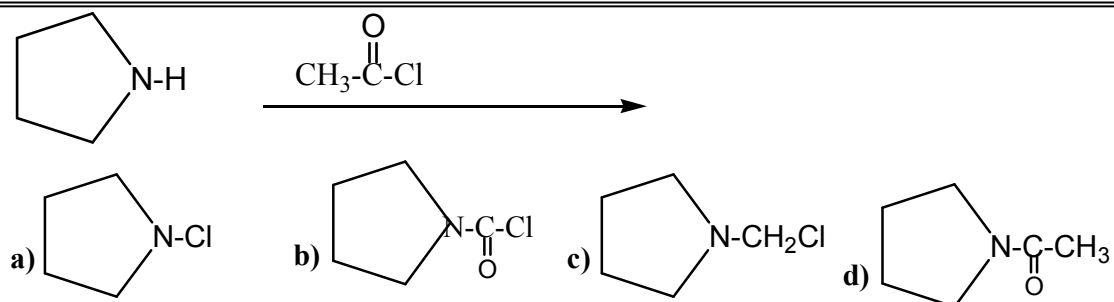
(40)



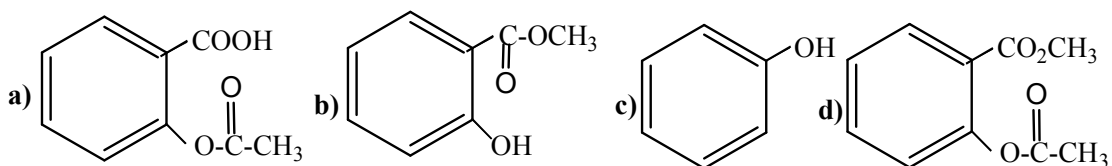
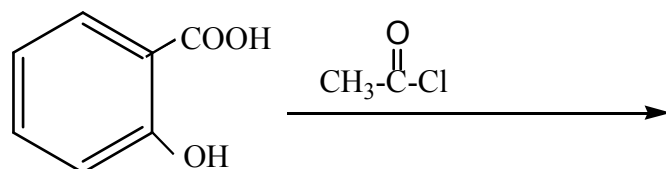
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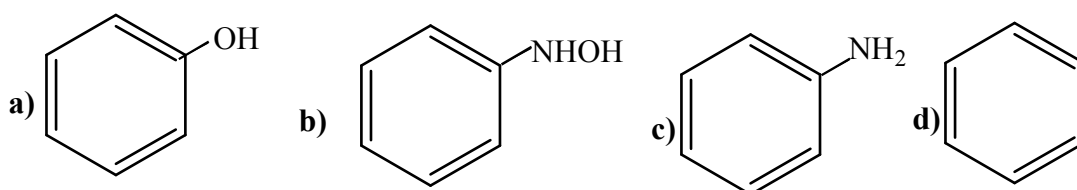
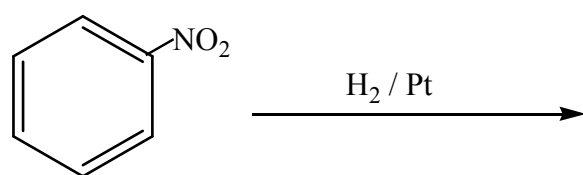
(42)



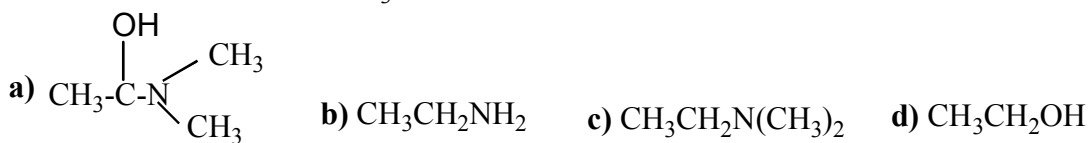
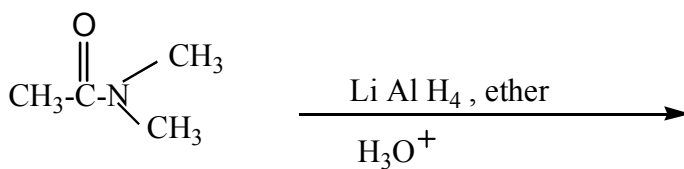
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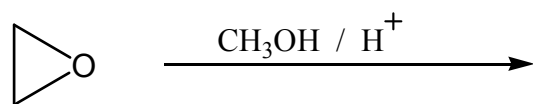
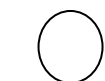
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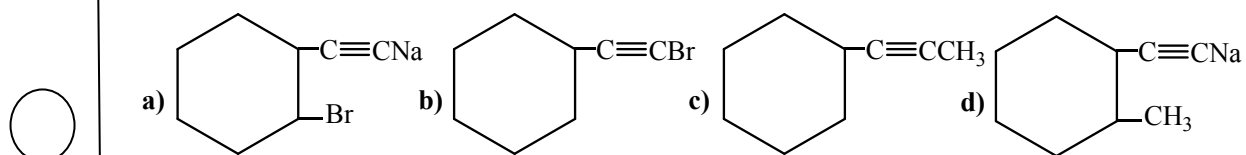
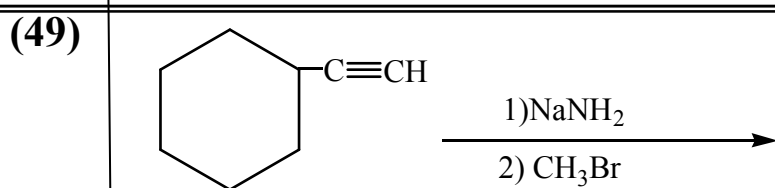
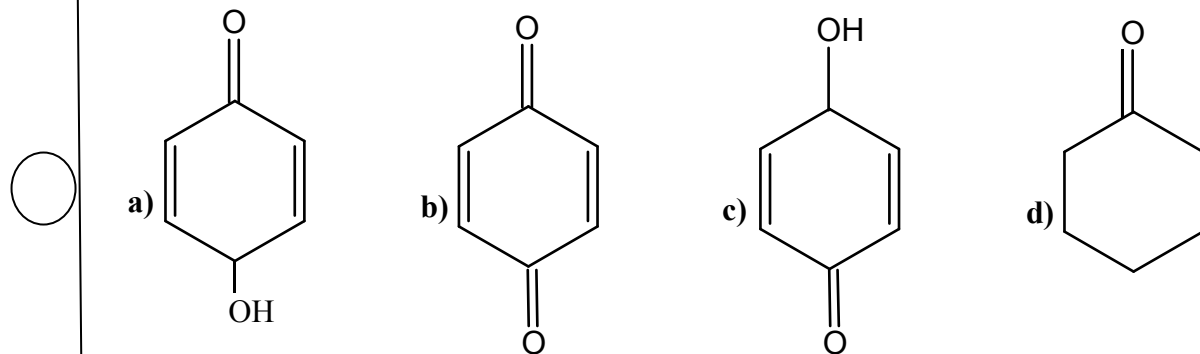
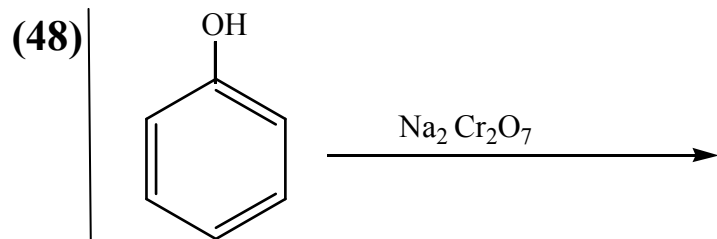
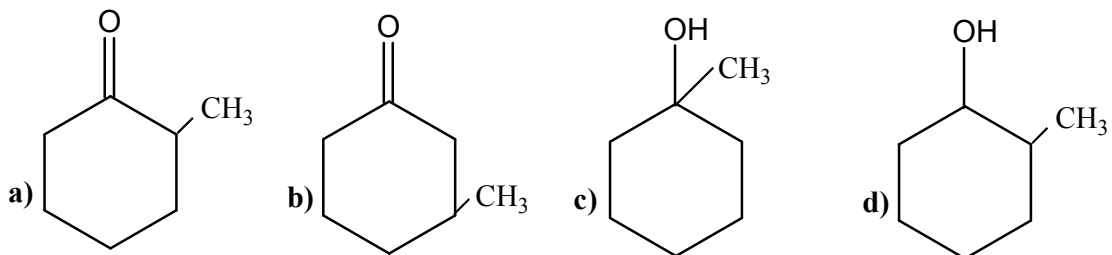
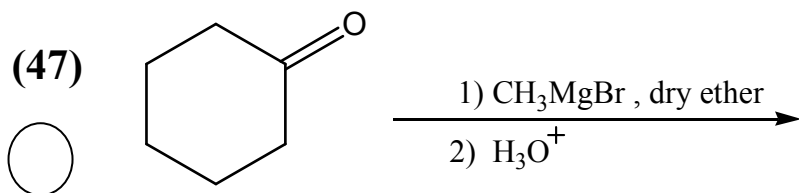


(45)

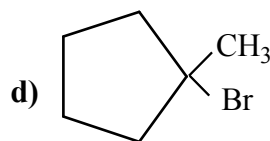
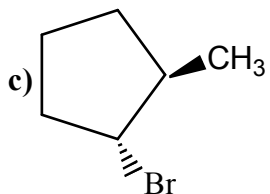
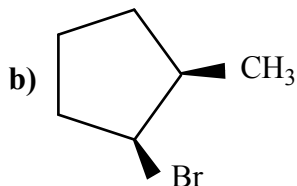
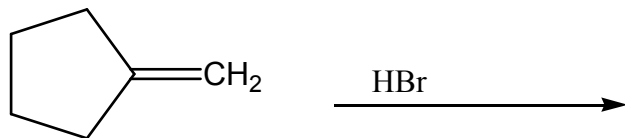


(46)





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----[Best wishes for you]----