

نموذج الإجابة:

ملاحظة هامة: تصحيح الإمتحان سيكون بناء على الإجابة المكتوبة في الجدول أسفل (حرف الإجابة الصحيحة) ولن ينظر الى بقية الأوراق والتي تعتبر مسودة.

رقم السؤال	الإجابة	رقم السؤال	الإجابة
1	B	16	C
2	A	17	B
3	D	18	D
4	C	19	A
5	A	20	C
6	B	21	B
7	D	22	A
8	A	23	C
9	C	24	D
10	A	25	A
11	D	26	D
12	B	27	C
13	C	28	A
14	A	29	D
15	D	30	B

**Choose The Correct Answer For Each of The Following Questions**

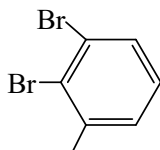
1. Which of the following compounds is aromatic?



2. The common name of methylbenzene is .....

- A) Toluene                      B) Cresol                      C) Anisole                      D) Xylene

3. The name of the following compound is .....



- A) 1,2-Dibromotoluene                      B) 1,2-Dibromophenol  
C) 2,3-Dibromobenzene                      D) 2,3-Dibromotoluene

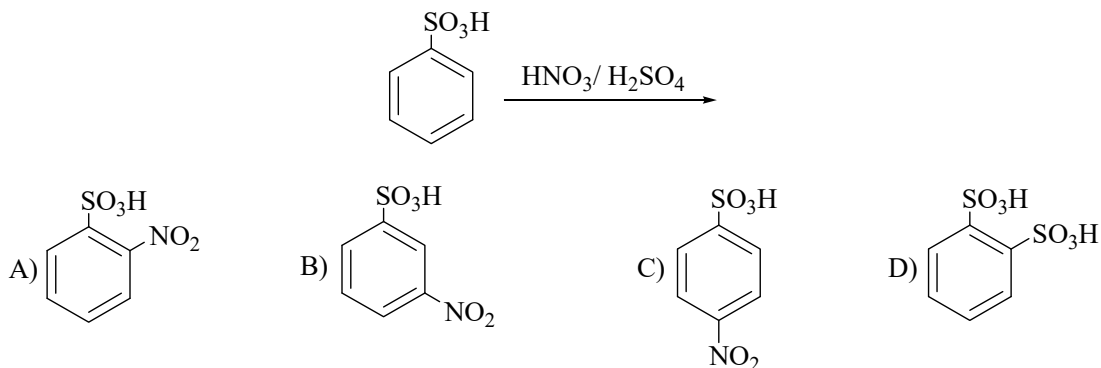
4. Bromination of the benzene ring is .....

- A) Electrophilic addition reaction.  
B) Nucleophilic substitution reaction.  
C) Electrophilic substitution reaction.  
D) Nucleophilic addition reaction.

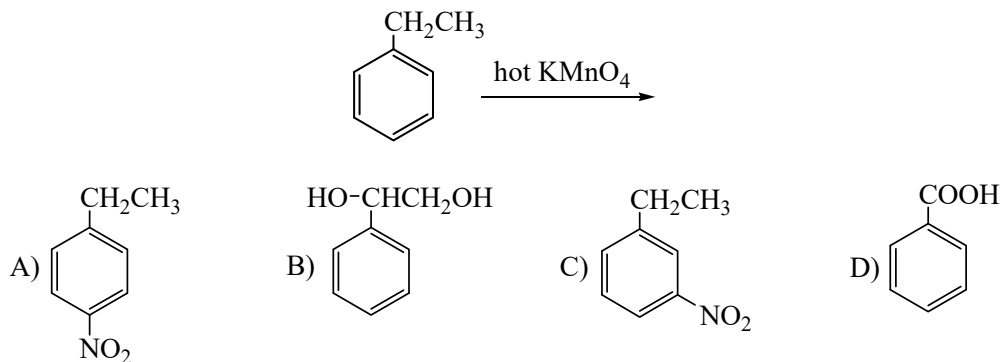
5. Which of the following groups deactivate the benzene ring?

- A)  $-\text{COOH}$                       B)  $-\text{OH}$                       C)  $-\text{NH}_2$                       D)  $-\text{OCH}_3$

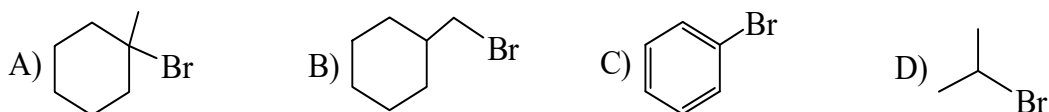
6. The major product of the following reaction is .....



7. The product of the following reaction is .....



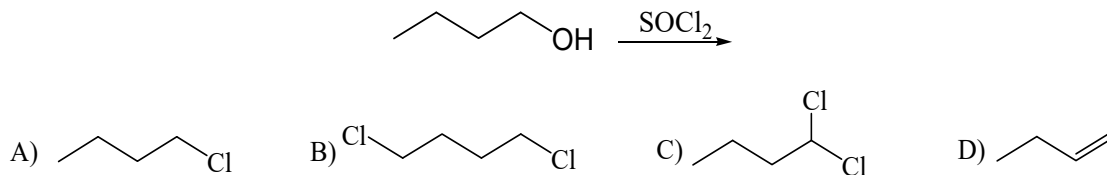
8. The structural formula of the tertiary alkyl bromide is .....



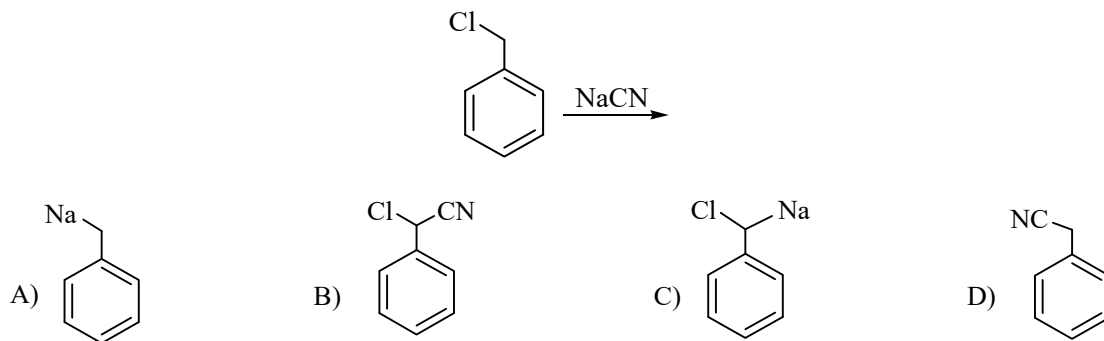
9. The compound with the highest boiling point is .....



10. The product of following reaction is .....

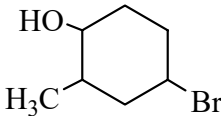


11. The product of the following reaction is .....



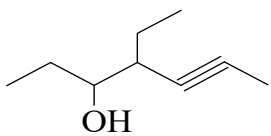
12. Glycols have ..... hydroxyl group(s).



13. The IUPAC name of  is .....
- A) 4-Bromo-6-methylcyclohexanol      B) 1-Bromo-3-methylcyclohexanol  
 C) 4-Bromo-2-methylcyclohexanol      D) 3-Bromo-1-methylcyclohexanol

14. Which of the following alcohols would be oxidized to propanone?

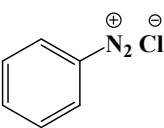
- A) 2-propanol      B) Ethanol      C) 2-methyl-2-propanol      D) 1-butanol

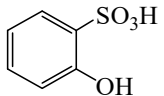
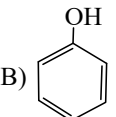
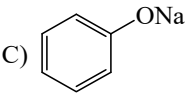
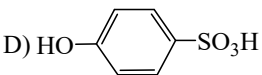
15. The IUPAC name of  is .....

- A) 4-Ethyl-2-heptyn-5-ol.      B) 4-Ethyl-2-hexyn-5-ol.  
 C) 4-Ethyl-5-hexyn-3-ol.      D) 4-Ethyl-5-heptyn-3-ol.

16. Which of the following is called *p*-bromobenzyl alcohol?

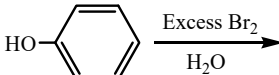
- A)       B) 
- C)       D) 

17. The following reaction   $\xrightarrow{\text{H}_3\text{O}^+, \text{heat}}$  gives .....

- A)       B)       C)       D) 

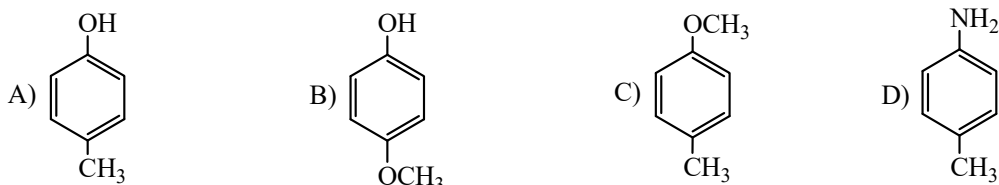
18. Among the following, which is the least acidic?

- A)       B)       C)       D) 

19. The following reaction  yields .....

- A) 2,4,6-Tribromophenol  
 B) *m*-Bromophenol  
 C) 2,4-Dibromophenol  
 D) *o*-Bromophenol

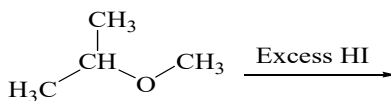
20. The structure of *p*-methyl anisole is .....

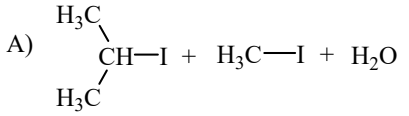
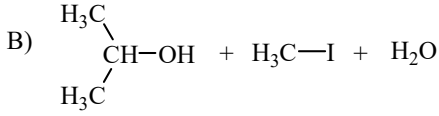
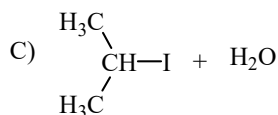
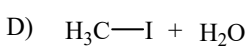


21. The structure of ethyl isopropyl ether is .....



22. The product of the following reaction is .....

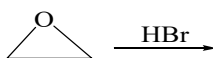


- A)  B)   
 C)  D) 

23. Formation of diethyl ether from ethanol is based on a .....

- A) hydrogenation reaction.  
 B) dehydrogenation reaction  
 C) dehydration reaction  
 D) oxidation reaction

24. The product of the following reaction is .....

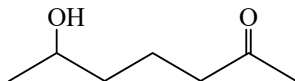


- A) Ethane  
 B) Ethanol  
 C) Ethane  
 D) 2-bromoethanol

25. The compound with the highest boiling point is .....

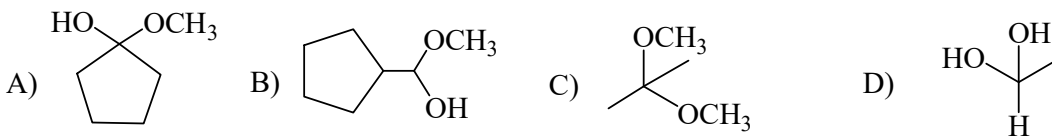
- A) Ethanol      B) Dimethyl ether      C) Ethane      D) Acetaldehyde

26. Choose the correct name of the following compound.

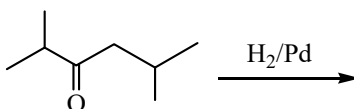


- A) 2-Hydroxy-6-heptanone.  
B) 6-Hydroxy-2-octanone.  
C) 2-Hydroxy-6-octanone.  
D) 6-Hydroxy-2-heptanone.

27. The structure of Acetal is .....



28. What is the product of the following reaction?



- A) 2,5-Dimethyl-3-hexanol.  
B) 2,5-Dimethyl-4-hexanol  
C) 2-Methylhexane.  
D) 2-Methylhexanal

29. The main reaction of an aldehyde carbonyl group is .....

- A) Electrophilic substitution reaction.  
B) Electrophilic addition reaction.  
C) Nucleophilic substitution reaction.  
D) Nucleophilic addition reaction.

30. Reaction of phenylhydrazine with aldehydes or ketones gives .....

- A) Imine      B) Phenylhydrazone      C) Oxime      D) Hemiacetal