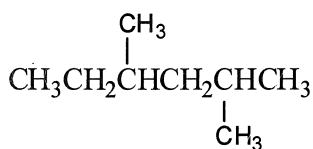


Jeddah University

CHEMISTRY (110)

Test Bank (III)

Chapters - 7



10. The name of the compound is

- a- 2,4-dimethyl hexane b- methyle propane c- pentane d- Benzen

11. Which of the following is an organic compound?

- o- H_2O p- C_2H_6 q- NaCl r- CO_2

12. Which of the following is a compound?

- p- Helium q- Pure water r- Sand s- Soup

13. Which of the following is an ester?

- a- R b- ROH c- ROR d- $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OR}$

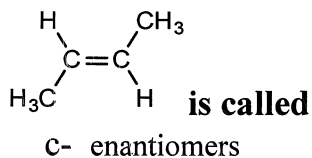
14. Hybridization of the carbon atom indicated by (*) in $\text{CH}_3\text{-*CH}_2\text{-CH}_3$, $\text{*CH}_2=\text{CH}_2$, and $\text{CH}_3\text{-*C}\equiv\text{CH}$ is _____, _____, and _____, respectively.

- a- sp^3 , sp^2 , sp b- sp^3 , sp , sp^2 c- sp , sp^2 , sp^3 d- sp , sp^3 , sp^2

15. Geometrical isomers

a- Cis

b- trans



is called

c- enantiomers

d- chiral compounds

16. The number of isomers are there for propene C_3H_6 is

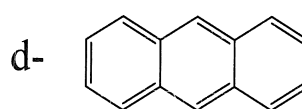
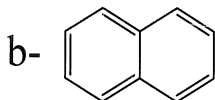
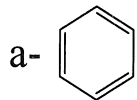
a-4

b- 10

c- 1

d- 15

17. The structure of benzene is



18. The structure of methylamine is

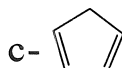
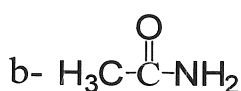
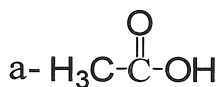
a- $\text{CH}_3\text{-NH}_2$

b- $\text{CH}_3\text{-COOH}$

c- $\text{CH}_3\text{-OH}$

d- $\text{CH}_3\text{-O-CH}_3$

19. The structure of acetamide is



d- $\text{CH}_3\text{CH}_2\text{CH}_3$

①

① alcohol $R-OH$ (e) ✓

② (a) acetone (not alcohol)

alcohol = alkane + ol

③ alkyne C_nH_{2n-2} Ethyne (C_2H_2) (b) ✓

④ $-C \equiv C-$ triple bond alkyne (g) ✓

⑤ Alkyne $-C \equiv C-$ (b) ✓

⑥ alkane C_nH_{2n+2} (e) ✓

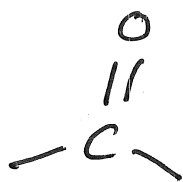
⑦ $R-\overset{\overset{O}{\parallel}}{C}-H$ aldehyde (d) ✓

(2)

* pentane
(C_5H_{12}) \rightarrow contain (5) carbon atom

(a) ✓

(8)



\rightarrow aldehyde هيدروكربون
 \rightarrow ketone كربونيل
 \rightarrow carboxylic acid حمض

(1) alcohols (not contain $-\text{C}(=\text{O})-$)

(9) carboxylic acid

(m) oic acid

(10)

2,4 dimethyl hexane.

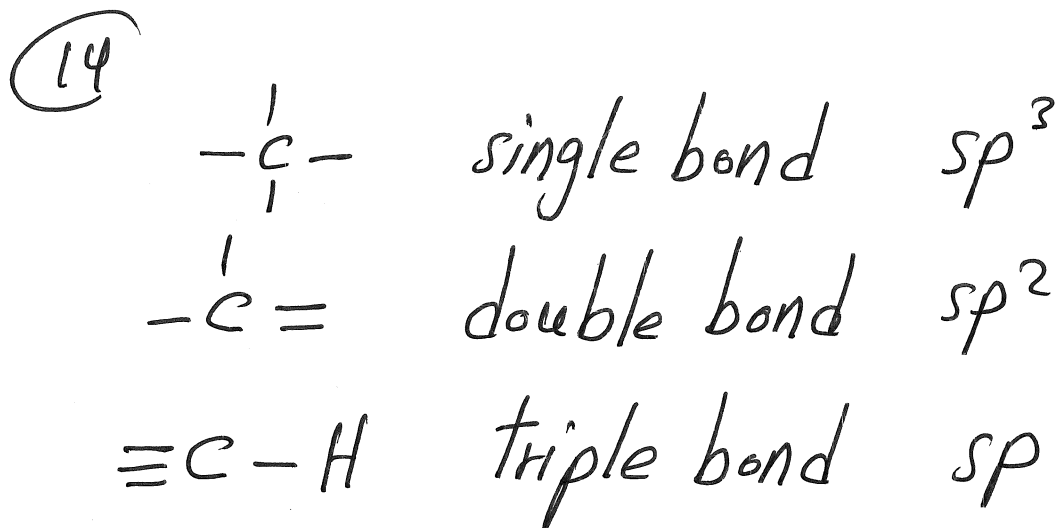
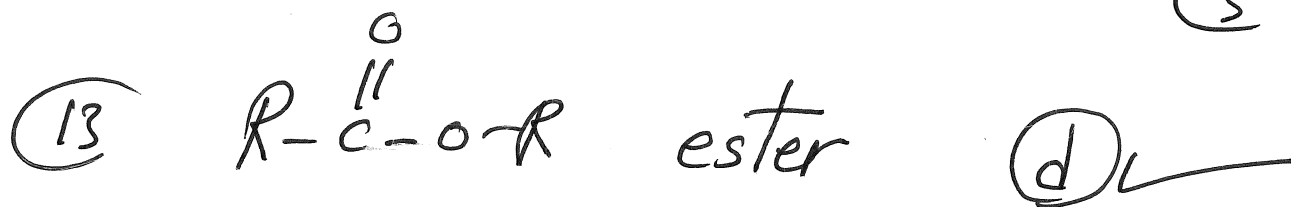
(a) ✓

(11)

(P) C_6H_{14} (alkane)

(12)

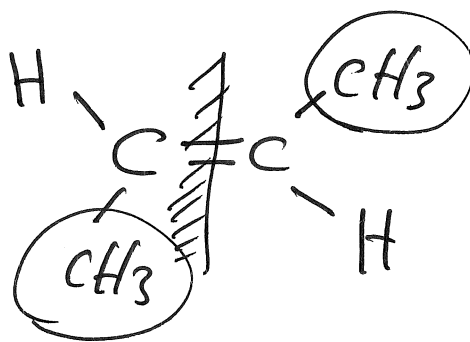
(9) pure water (compound) مركب



(a) ✓

(15)

(b) Trans



(16)

(c) 1

propene isomers.

4

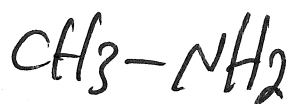
(17)

(a)



Benzene

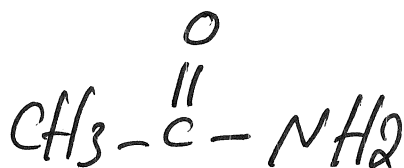
(18)



methyl amine

(19)

acetamide-



(b)
