***Chapter 7***

1- Which compound considered hydrocarbon

a. C4H10

b. NaCl

c. CaC2

d. CCl4

2 - The General Formula of Alkane

a. CnH2n

b. CnH2n+2

c. CnH2n-2

d. Cn(H2O)n

3- The General Formula of Alkene

a. CnH2n

b. CnH2n+2

c. CnH2n-2

d. Cn(H2O)n

4- The General Formula of Alkyne

a. CnH2n

b. CnH2n+2

c. CnH2n-2

d. Cn(H2O)n

5- Which compound of the following considered Alkane

a. C4H8

b. C5H8

c. C3H8

d. C6(H2O)6

6- Which compound of the following considered Alkene

a. C4H8

b. C5H8

c. C3H8

d. C6(H2O)6

7- Which compound of the following considered Alkyne

a. C4H8

b. C5H8

c. C3H8

d. C6(H2O)6

8- Hydrocarbons consist of the following elements

a. C,H

b. Na,O

c. Cl, C

d. H,O

9- C2H6 considered

a. Alkane

b. Alkene

c. Alkyne

d. Benzene

10- C3H6 considered

a. Alkane

b. Alkene

c. Alkyne

d. Benzene

11- C3H4 Considered

a. Alkane

b. Alkene

c. Alkyne

d. Benzene

12- How many π bonds in the following compound



a. 1

b. 2

c. 3

d. 4

13- How many σ bonds in the following compound



a. 4

b. 7

c. 10

d. 3

14- The name of the following compound



a. 4-methylpentane

b. 2-methylpentene

c. 2-methylpentane

d. 4-ethylpentane

15- The base name for hydrocarbon containing six carbon is

a. Meth b. Eth c. Prop d. Hex-

16- The products that released from combustion of Ethan in the following

Reaction



a. 4CO2(g) + 6H2O(l)

b. CH3OH

c. C2H5OH

d. CH3COCH3

17- The Name of the following compounds



a.4,5-dimethylheptane

b. 4,5-methylheptane

c.3,4-dimethylheptane

d. 3.4-methylheptane

18- The correct structure of cis- isomer for 1,2-dichloroethene is







B

19- The structure of naphthalene is



C

20- The structure of Toluene is





a

21- The structure of peptied bond is:

 c- CH4

d- CH3NH2

B

22- The buiding blocks of all protiens is

a- α-amino acid b- amide c-ethers d- alcohols

23- The example of polysaccharides is

1. Starch b- Glucose c- Fructose d- Sucrose

24- Which of the following considered biopolymer

a- DNA b- Toluene c- Ethanol d- Aniline

25- The correct structure of trans- isomer for 1,2-dichloroethene is



a

26- Which one of these structures represents a carboxylic acid functional group?



d

27- Which one of these compounds is an amine?

a- CH3NH2 b- CH3OH c- CH3OCH3 dCH3CONH2

28- Which one of these structures represents a Ketone functional group?



b

29- Which one of these structures represents an aldehyde functional group?



c

30- Which one of these structures represents an alcohol functional group?



a

31- Which one of these compounds is alcohol?

a- CH3NH2 b- CH3OH c- CH3OCH3 d- CH3CONH2

32- Which one of these compounds is ether?

a- CH3NH2 b- CH3OH c- CH3OCH3  d- CH3CONH2

33- Which one of these compounds is an amide?

a- CH3NH2 b- CH3OH c- CH3OCH3 d- CH3CONH2

34- The structure of benzene is



c

35- Which compound of the following considered carbohydrate

a. Glucose b. Protien c. DNA d. Lipidis

36- \_\_\_\_\_\_\_\_ is a monosaccharide.

(A) glucose B) Lactose C) Guanine D) Glycogen

37- Starch, glycogen, and cellulose are made of repeating units of \_\_\_\_\_\_\_\_.

(A) lactose B) glucose C) fructose D) sucrose

38- Which of the following considered organic compounds:

a.CH3CHO b. CCl4  c. PCl5 d. NaCl

39- \_\_\_\_\_\_\_\_ could be cycloalkane.

A) C3H8 B) C3H6 C) C6H12 D) C17H36

40- is called \_\_\_\_\_\_\_\_.

A) amine B) amide C) ketone D) aldehyde



41- The following structure represents \_ .

A) Ether B) ester C) ketone D) aldehyde

42- Which one of the following is not an alcohol?

A) acetone B) methanol C) ethanol D) propanol

43- Which compound of the following contain double bond

a. C2H2

b. C2H4

c. C2H6

d. CH4

44- Which compound of the following contain Triple bond

a. C2H2

b. C2H4

c. C2H6

d. CH4

45- The structure of methylamine is

a- CH3-NH2 b- CH3-COOH c- CH3-OH d- CH3-O-CH3

46- The simplest alkyne is \_\_\_\_\_\_\_\_.

A) ethylene B) ethane C) acetylene D) benzene

47- Hydrocarbons containing carbon-carbon triple bonds are called………

A) alkanes B) aromatic hydrocarbons C) alkynes D) alkenes

48- What is the number of π bond in the following compound?



A) 1 B) 2 C) 4 D) 3

49- Molecular formula for benzene is..............................

a) C6H14  b) C2H6 c) C6H10 d) C6H6

50- All of the following is biopolymers except............................................

a) Protein b) Polysaccharides c) lipids d) Nucleic acid

51- The suffix used for organic molecules containing the carboxylic acid

functional group is

a- one b- oic acid c- amide d- ene

52- The following structure  represents \_\_\_\_\_\_\_\_.

A) Ether B) ester C) ketone D) aldehyde

53- The addition of Br2 to propene produces \_\_\_\_\_\_\_\_.
(A) 1-bromopropane B) 2-bromopropane
C) 1,2-dibromopropane D) 2,3-dibromopropane

54- The products that released from combustion of Ethan in the following
reaction



a. 4CO2(g) + 6H2O(l)
b. CH3OH
c. C2H5OH
d. CH3COCH3