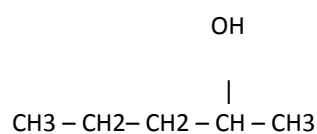


OBJECTIVE QUESTIONS: TYPE A

1. IUPAC name of isopentane is

- 3-methyl butane
- 2-methyl butane
- 2,2-dimethyl propane
- 2,3-dimethyl butane

2. Name the organic compound



- 4,4 - diethyl - 1 - chlorobutanol
- 1 - chloro - 4 - hydro - 2 - butanol
- 2-pentanol
- 2-pentanal

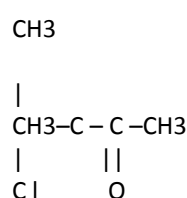
3. IUPAC name of $\text{H}_3\text{C} - \text{CH}(\text{OH}) - \text{CH}_2 - \text{C}(=\text{O}) - \text{H}$ is

- 3 - hydroxyl butanal
- 2 - hydroxyl butanal
- 1 - oxo, 3 - hydroxyl butane
- aidol

4. The IUPAC name of $(\text{CH}_3)_3\text{CH} - \text{OH} - \text{CH}_3$ is a. 4,4 - dimethyl pent -2-en -2-ol

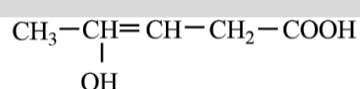
- 3,3 - dimethyl - 2 - butanol
- 1, 2 - dimethyl - 4 - propanol
- 1,1,1 - trimethyl - 2 - propanol

5. The IUPAC name for the following compound is



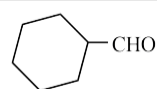
- 2 - Chloro - 2 - methyl - 3 - butanone
- 3 - chloro - 3 - methyl - 2 - butanone
- 3 - chloro - 3 - dimethyl - 3 - propanone
- 1 - dimethyl - 1 - chloro - propan - 2 on

6. The IUPAC name compound



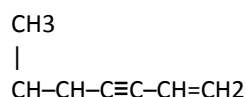
- 4 - hydroxyl - 4 - pentenoic acid
- 4 - hydroxy - 3 - pentenoic acid
- hydroxyl pentenoic acid
- 4 - hydroxyl - 4 - methyl - 3 - ene - pentanoic acid

7. What is the systematic name of following compound?



- H-Cl
- Cl-Cl
- C-Cl
- Na-Cl

8. What is the IUPAC name for following compound

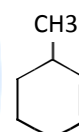


- clacim - 4 - vinyl - 2 - pentyne
- 4 - methylhex - 2yn - 5 - ene
- 3 - methylhex - 4yn - 1 ene
- 5 - methylhex - 1 - en - 3 - yne

9. The IUPAC name of $(\text{CH}_3)_2\text{CH} - \text{CH}_2 - \text{CH}_2\text{Br}$ is a. 1-bromopentane

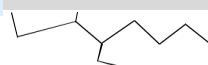
- 2-methyl - 4 - bromobutane
- 1-bromo-3-methylbutane
- 2-methyl - 3 - bromopropane

10. The IUPAC name of



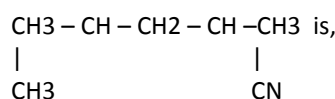
- 3-methylcyclohexene
- 1-methyl1-2-cyclohexene
- 6-methyl cyclohexene
- 1-methyl - 5- cyclohexene

11. Name of given compounds



- 4-Ethyl - 3- methyl octane
- 3-methyl - 4- ethyl octane
- 2,3- diethylheptane
- 5-ethyl -6- methyloctane

12. The IUPAC name of



- 2-cyano -3-methylhexane
- 2-methyl-4-cyanopentane
- 2,4-dimethyl pentanenitrile
- 2-dimethyl-1-cyanopentane

13. The IUPAC name of $\text{Cl}_3\text{C} - \text{CH}_2 - \text{CHO}$ is

- 3,3,3 - Trichloropropanal
- 1,1,1 - Trichloropropanal
- 2,2,2 - Trichloropropanal
- Chloral

14. The IUPAC name of  is,

- a. Bicyclo [2,1,0] pentane
- b. 1,2-cyclopropyl cyclobutane
- c. Cyclopentane [4,3] annulene
- d. 1,2-dimethylene cyclobutane

15. The IUPAC name of acraldehyde is

- a. Prop -2-en-1-al
- b. Propenylaldehyde
- c. But-2-en-1-al
- d. Propenal

16. The IUPAC name of $\text{CH}_3\text{OC}_3\text{H}_7$ is

- a. Ethoxy methane
- b. Methoxy propane
- c. Methyl ethyl ether
- d. Ethyl methyl ether

17. The IUPAC name of $\text{CH}_3 - \text{CH} = \text{CH} - \text{C} \equiv \text{CH}$ is

- a. pent -3-en-1-yne
- b. pent - 2-en-4-yne
- c. pent-3-yn-1-ene
- d. Pent-2-yn-1-en

18. The name of $\text{CH} = \text{CH}$ is

$\begin{array}{c} | \quad | \\ \text{CHONH}_2 \end{array}$

- a. 1-amino prop-2-enal
- b. 3-amino prop-2-enal
- c. 1-amino - 2-formylethene
- d. 3-amino-1-oxy prop-2-ene

19. The correct IUPAC name of $\text{H} - \text{C} - \text{CHO}$ is,

$\begin{array}{c} \text{O} \\ || \\ \text{H} - \text{C} - \text{CHO} \end{array}$

- a. formyl methanal
- b. Funnyl methanoate
- c. Ethane-1,2-dial
- d. Oxomethanal

20. IUPAC name of methyl carbinol is,

- a. Methanol
- b. Ethanol
- c. Propanol
- d. Butanol

21. The correct IUPAC name of $\text{C}_6\text{H}_5\text{COCl}$ is

- a. Benzene carbonyl chloride
- b. Benzoyl chloride
- c. Chlorophenyl ketone
- d. Phenyl chloride

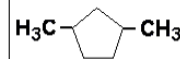
22. The IUPAC name of given compound is

$\text{CH}_2 - \text{CN}$

$\begin{array}{c} | \\ \text{CH} - \text{CN} \\ | \\ \text{CH}_2 - \text{CN} \end{array}$

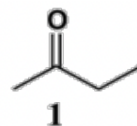
- a. 1,2,3 - Tricarbonitrile propane
- b. Propane -1,1,1-Tricarbylamine
- c. Propane - 1,2,3-tricarbonitrile
- d. 3-cyano pentane dinitrile.

23. Select the correct IUPAC name for



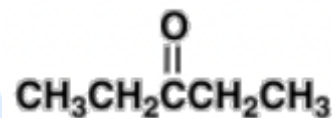
- a. 1,4-dimethylcyclopentane
- b. 1,3-dimethylcyclopentane
- c. 2,3-dimethylcyclopentane
- d. 2,4-dimethylcyclopentane

24. Which compound is different from compound 1?



a. $\text{CH}_3\text{COCH}_2\text{CH}_3$

b.



c. $\text{CH}_3\text{CH}_2\text{COCH}_3$

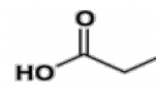
d.



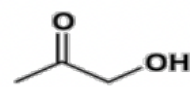
25. Which compound is not a carboxylic acid?

a. $\text{CH}_3\text{CH}_2\text{CO}_2\text{H}$

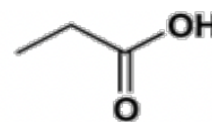
b.



c.



d.



26. IUPAC name of $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}_2\text{COOH}$ is

- a. 4-hydroxypentanoic acid
- b. 1-carboxy-3-butanoic acid
- c. 1-carboxy-4-butanol
- d. 4-carboxy-2-butanol

27. The IUPAC name for $\text{OHC}-\text{CH}_2-\text{COOH}$

- a. prop-1-al-3-oic acid
- b. prop-3-al-1-oic acid
- c. 2-formylethanoic acid
- d. 2-carboxyethanal

28. The correct structure of 4-bromo-3-methylbut-1-ene is

- a. $\text{Br}-\text{CH}=\text{C}(\text{CH}_3)_2$ b. $\text{CH}_2=\text{CHCH}(\text{CH}_3)\text{CH}_2\text{Br}$
c. $\text{CH}_2=\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{Br}$ d. $\text{CH}_3-\text{C}(\text{CH}_3)=\text{CHCH}_2\text{Br}$

29. The wrong IUPAC name of the $\text{CH}_3\text{CHOHCH}_2\text{CH}_3$ is

- a. 1-Methylpropanol-1 b. 2-Butanol
c. Butan-2-ol d. Butanol-2
-

ANSWER KEY

1.b	2. c	3. a	4.b	5.b
6.b	7.b	8.d	9.c	10.a
11.a	12.c	13.a	14. a	15. a
16. b	17. a	18. b	19. c	20. b
21.b	22. c	23. b	24. b	25. c
26. a	27. c	28. b	29. a	30. a



