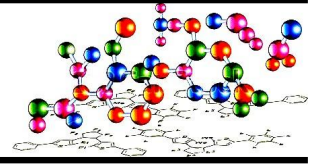


IUPAC නාමකරණය

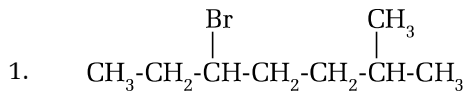


(1) ප්‍රධාන ක්‍රියාකාරී කාණ්ඩය හඳුනා ගැනීම

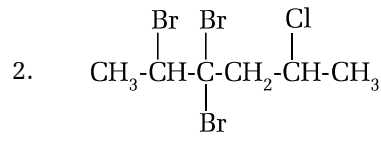
පවතින ක්‍රියාකාරී කාණ්ඩ අතුරින් ප්‍රමුඛතාවයට අනුව ප්‍රධාන ක්‍රියාකාරී කාණ්ඩය තෝරා ගත යුතුය.

		ප්‍රධාන ක්‍රියාකාරී කාණ්ඩය විට	ආදේශ කාණ්ඩය විට
1.	$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{OH} \end{array}$	oic acid	
2.	$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{O}- \end{array}$	alkyl oate	oxycarbo
3.	$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{X} \end{array}$	oyl halide	haloformyl
4.	$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{NH}_2 \end{array}$	amide	carbamoyl
5.	$-\text{C} \equiv \text{N}$	nitrile	cyano
6.	$\begin{array}{c} \text{O} \\ \\ -\text{C}-\text{H} \end{array}$	al	formyl
7.	$\begin{array}{c} \text{O} \\ \\ -\text{C}- \end{array}$	one	oxo
8.	$-\text{OH}$	ol	hydroxy
9.	$-\text{NH}_2$	amine	amino
10.	$-\text{O}-$		alkoxy
11.	$-\text{C} \equiv \text{C}-$	yne	
12.	$-\overset{ }{\text{C}}=\overset{ }{\text{C}}-$	ene	

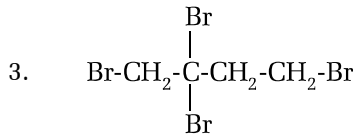
පහත කාබනික සංයෝග වල IUPAC නාමය ලියන්න.



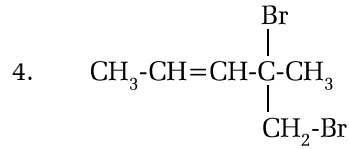
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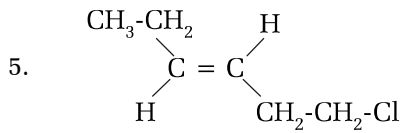
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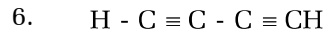
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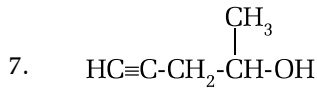
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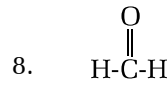
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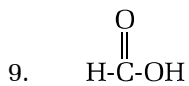
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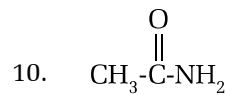
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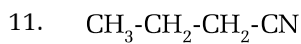
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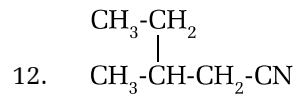
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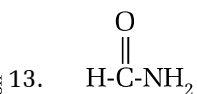
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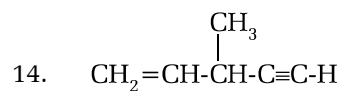
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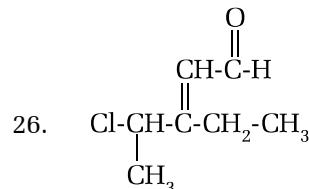
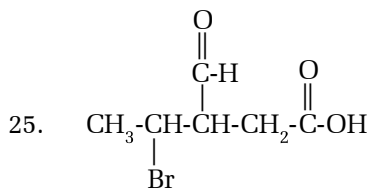
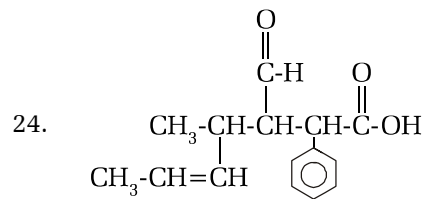
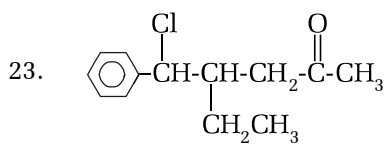
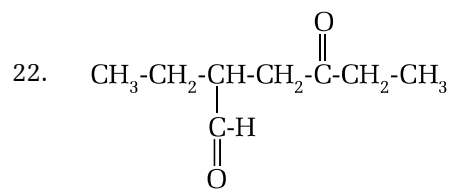
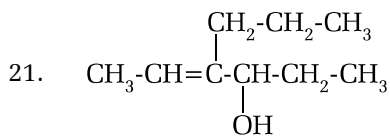
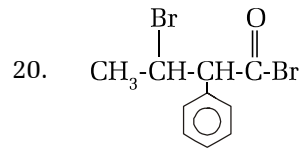
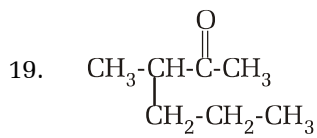
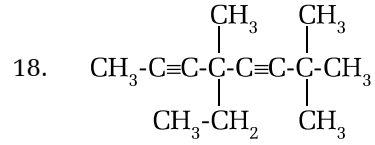
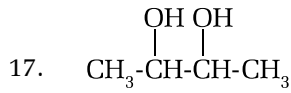
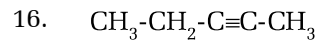
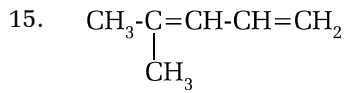


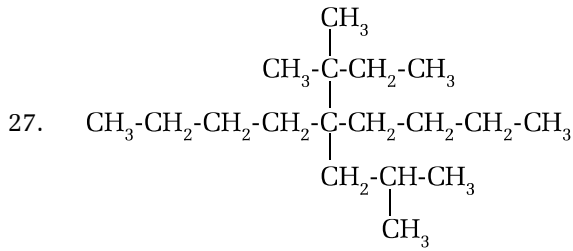
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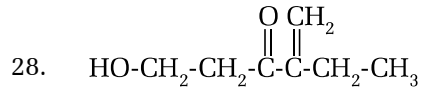
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2021 Revision

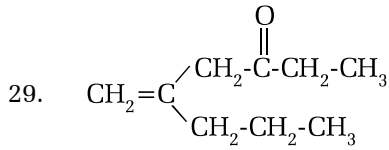




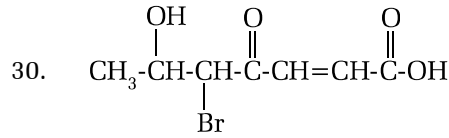
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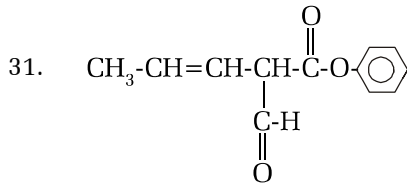
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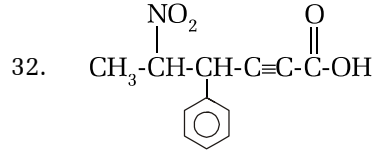
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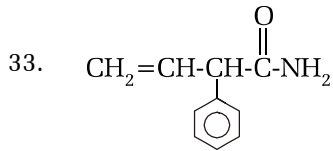
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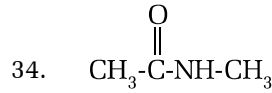
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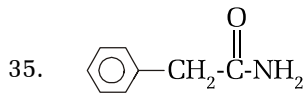
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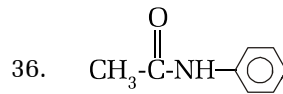
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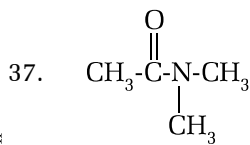
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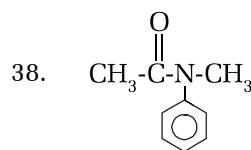
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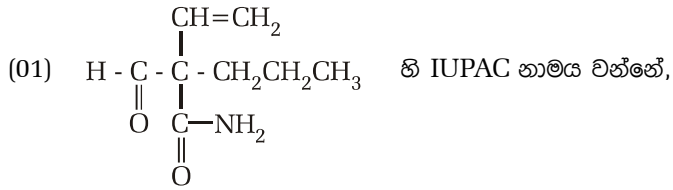


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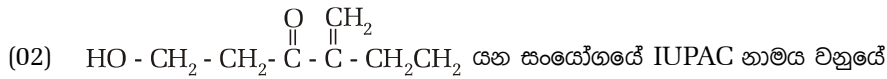


.....

පසුගිය විභාග ගැටළු



- (1) 2-ethenyl-2-formylpentanamide (2) 2-formyl-2-propyl-3-butenamide
 (3) 3-carbamoyl-3-formylhexene (4) 2-carbamoyl-2-propyl-3-butenaldehyde
 (5) 2-carbamoyl-2-ethenylpentanaldehyde **(2001)**

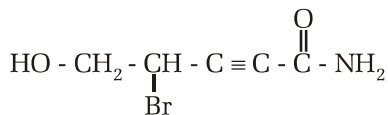


- (1) 4-ethyl-3-oxopent-4-en-1-ol (2) 2-ethyl-5-hydroxy-3-oxo-pent-1-ene
 (3) 4-ethyl-1-hydroxypent-4-en-3-one (4) 2-ethyl-5-hydroxypent-1-en-3-one
 (5) 2-ethyl-1-ene-5-hydroxy-3-pentanone **(2002)**



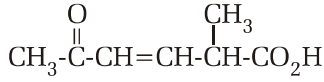
- (1) 4-chloro-3-ethylpental-2-ene (2) 4-chloro-3-ethylpent-2-enal
 (3) 3-ethyl-4-chloropent-2-enal (4) 3-ethyl-2-chloro-4-formyl-but-3-ene
 (5) 3-ethyl-2-chloro-5-oxo-pent-3-ene **(2003)**

(04) පහත දැක්වෙන සංයෝගයේ IUPAC නාමය කුමක්ද?



- (1) 4-Bromo-5-hydroxy-2-pentynamide (2) 2-Bromo-4-Carboxamide-3-butynol
 (3) 1-Aminocarboxy-3-bromo-4-hydroxybutyne (4) 4-Bromo-5-hydroxy-1-oxo-2-ynepentamine
 (5) 1-Amino-4-bromo-5-hydroxy-2-ynone **(2004)**

(09) පහත දැක්වෙන සංයෝගයේ IUPAC නාමය කුමක්ද ?



- (1) 5-Carboxyhex-3-en-2-one (2) 5-Oxohex-3-en-2-carboxylic acid
 (3) 5-Methyl-2-oxohex-3-enoic acid (4) 2-Methylhex-5-on-3-enoic acid
 (5) 2-Methyl-5-oxohex-3-enoic acid

(2009)

(10) X සංයෝගයේ IUPAC නාමය වනුයේ, $\text{CH}_3\text{CH}=\overset{\text{CO}_2\text{H}}{\text{CH}}-\overset{\text{CH}_3}{\underset{\text{X}}{\text{CH}}}-\text{CH}_3$

- (1) 1,2-dimethylpent-3-enoic acid (2) 3-methylhex-4-en-2-oic acid
 (3) 4,5-dimethyl-2-hexenoic acid (4) 2,3-dimethyl-4-hexenoic acid
 (5) 4-methyl-2-hexenoic acid

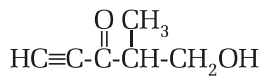
(2010)

(11) Propynal හි නිවැරදි ව්‍යුහය වනුයේ,

- (1) $\text{CH}\equiv\text{CCHO}$ (2) $\text{CH}_2=\text{CHCHO}$
 (3) $\text{CH}_3\text{CH}_2\text{CHO}$ (4) $\text{CH}\equiv\text{CCH}_2\text{OH}$
 (5) $\text{CH}_2=\text{CHCH}_2\text{OH}$

(2011)

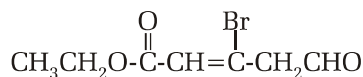
(12) පහත සඳහන් IUPAC නාමය කුමක් ද?



- (1) 1-hydroxy-2-methylpent-4-yn-3-one (2) 2-methyl-3-oxopent-4-yn-1-ol
 (3) 2-methyl-4-pentyn-1-ol-3-one (4) 5-hydroxy-4-methylpent-1-yn-3-one
 (5) 5-hydroxy-4-methyl-1-yne-3-pentanone

(2012)

(13) පහත සඳහන් සංයෝගයේ IUPAC නම කුමක් ද?

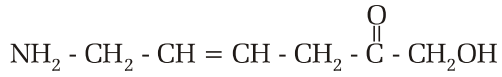


- (1) 3-bromo-5-ethoxy-5-oxo-3-pentenal (2) ethyl-3-bromo-5-oxopent-2-enoate
 (3) ethyl 3-bromo-2-en-5-oxopentanoate (4) ethyl 3-bromo-5-oxo-2-pentenoate
 (5) 3-bromo-1-ethoxy-5-oxo-2-pentenal

(2013)

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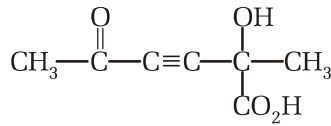
(14) පහත සඳහන් සංයෝගයේ IUPAC නම කුමක් ද?



- (1) 1-amino-6-hydroxy-2-hexen-5-one (2) 6-amino-1-hydroxy-4-hexen-2-one
 (3) 6-amino-2-oxo-4-hexen-1-ol (4) 6-hydroxy-5-oxo-2-hexenamine
 (5) 6-hydroxy-5-oxo-2-hexenylamine

(2014)

(15) X සංයෝගයේ IUPAC නම කුමක් ද?

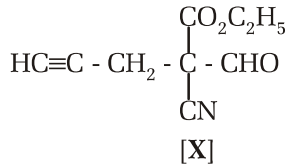


X

- (1) 2-hydroxy-2-methyl-5-oxo-3-hexynoic acid (2) 2-hydroxy-2-methyl-5-oxo-3-hexynoic acid
 (3) 2-hydroxy-5-keto-2-methyl-3-hexynoic acid (4) 5-carboxy-5-hydroxy-3-hexyn-2-one
 (5) 2-carboxy-5-oxo-3-hexyn-2-ol

(2015)

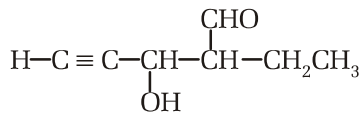
(16) X සංයෝගයේ IUPAC නම කුමක්ද?



- (1) ethyl 2-formyl-2-nitrile-4-pentynoate (2) 2-cyano-2-ethoxycarbonyl-4-pentynal
 (3) 2-ethoxycarbonyl-2-nitrile-4-pentynal (4) ethyl-2-cyano-2-formyl-4-pentynoate
 (5) ethyl 2-cyano-2-formyl-4-pentynoate

(2016)

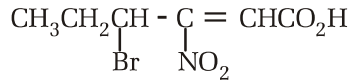
(17) පහත දැක්වෙන සංයෝගයේ IUPAC නාමය කුමක් ද?



- (1) 4-formylhex-1-yn-3-ol (2) 4-formyl-3-hydroxyhex-1-yne
 (3) 2-ethyl-3-hydroxy-4-ynepentanal (4) 3-hydroxy-4-ethyl-1-ynepentanal
 (5) 2-ethyl-3-hydroxypent-4-ynal

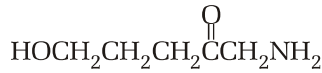
(2017)

(18) පහත දැක්වා ඇති සංයෝගයේ IUPAC නාමය කුමක් ද?



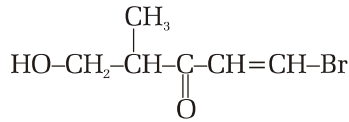
- | | |
|-------------------------------------|-------------------------------------|
| (1) 4-bromo-3-nitro-2-hexenoic acid | (2) 4-bromo-3-nitro-2-hexenoic acid |
| (3) 3-nitro-4-bromo-2-hexenoic acid | (4) 3-nitro-4-bromo-2-hexenoic acid |
| (5) 3-bromo-4-nitro-4-hexenoic acid | (2018) |

(19) පහත දැක්වා ඇති සංයෝගයේ IUPAC නාමය කුමක් ද?



- | | |
|-----------------------------------|------------------------------------|
| (1) 5-hydroxy-2-oxo-1-pentanamine | (2) 1-amino-5-hydroxy-2-oxopentane |
| (3) 1-amino-5-hydroxy-2-pentanone | (4) 5-hydroxy-1-amino-2-pentanone |
| (5) 5-amino-4-oxo-1-pentanol | (2019) |

(20) දී ඇති සංයෝගයේ IUPAC නාමය කුමක් ද?



- | |
|---|
| (1) 1-bromo-4-methyl-5-hydroxypent-1-en-3-one |
| (2) 5-bromo-1-hydroxy-2-methylpent-4-en-3-one |
| (3) 1-bromo-5-hydroxy-4-methylpent-1-en-3-one |
| (4) 5-bromo-2-methyl-3-oxopent-4-en-1-ol |
| (5) 1-bromo-4-methyl-3-oxopent-1-enol |
| (2020) |

පහත IUPAC නාමයන්ට අදාළ කාබනික සංයෝග ලියන්න.

- | | |
|---------------------------------|-------------------------------|
| 1. 6-Chloro-3-oxoheptanoic acid | 2. 4-Hydroxypent-2-enoic acid |
|---------------------------------|-------------------------------|

3. 2-aminopenta-1,3-diene

4. Pent-2-yn-1-ol

5. 2-Amino-2-chloro-5-hexenal

6. Phenyl 4-hydroxy-2-butenolate

7. 4-Chloro-2-ethyl-1-butanol

8. 3,3-Dichloro-5-ethyl-6-heptene-2,4-dione

9. 5-Bromo-2-nitrophenol

10. 1-Bromo-3-chloro-4-hexen-2-one

11. 2-Chloro-3-ethyl-5-hexenoic acid

12. 4-Chloro-3-ethylpent-2-enal

13. Ethyl 3-bromo-5-nitropent-3-enoate

14. 4-Bromo-5-hydroxy-2-pentynamide

15. 3-bromo-5-nitropent-3-enal

16. 2-Methyl-4-oxohexanal

17. 2-Bromo-6-chloro-4-nitrobenzoic acid

18. 2,2,6,6-Tetramethyl-3,5-heptanedione

19. 5-Chloro-2-phenyl-3-heptynal

20. 2,2-Dimethyl-4-hydropentanoic acid