



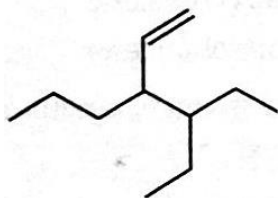
Interactive Live Classes  
Class : 11 : NEET : Chemistry

MM: 180

**GENERAL INSTRUCTIONS**

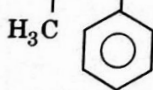
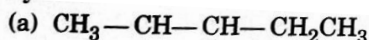
- This test contains 45 MCQ's. For each question only one option is correct. Darken the correct circle/ bubble in the Response Grid provided on each page.
- Each correct answer will get you 4 marks and 1 mark shall be deducted for each incorrect answer. No mark will be given/ deducted if no bubble is filled. Keep a timer in front of you and stop immediately at the end of 60 min.

- The IUPAC name of the compound having the formula  $\text{CH} \equiv \text{C} - \text{CH} = \text{CH}_2$  is:  
(a) 1-buten-3-yne (b) 3-buten-1-yne (c) 1-butyne-3-ene (d) but-1-yn-3-ene
- The IUPAC name of the compound  $\text{CH}_3\text{CH} = \text{CHC} \equiv \text{CH}$  is:  
(a) Pent-3-en-1-yne (b) Pent-2-en-4-yne (c) Pent-1-yn-3-ene (d) Pent-4-yn-2-ene
- The correct IUPAC name of the compound

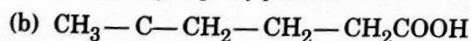


is:

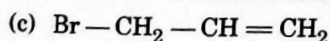
- 4-Ethyl-3-propyl hex-1-ene
  - 3-Ethyl-4-ethenyl heptane
  - 3-Ethyl-4-propyl hex-5-ene
  - 3-(1-ethyl propyl) hex-1-ene
- Which nomenclature is not according to IUPAC system?



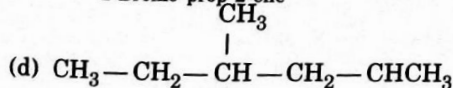
2-Methyl-3-phenylpentane



5-Oxohexanoic acid

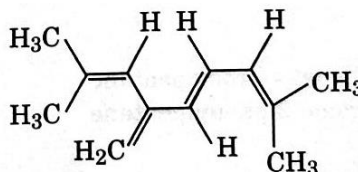


1-Bromo-prop-2-ene



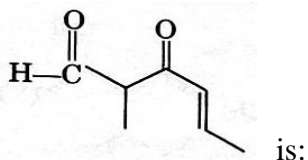
4-Bromo,2,4-dimethylhexane

- The total number of  $\pi$ -bond electrons in the following structure is:



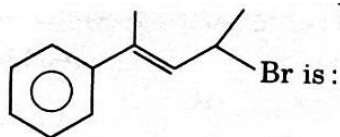
- 8
  - 12
  - 16
  - 4
- In which of the following multiple bond is absent:  
(a)  $\text{CH}_3\text{CN}$  (b)  $\text{HCOOH}$  (c)  $\text{CH}_2\text{N}_2$  (d)  $\text{C}_3\text{H}_6$
  - The pair of electron in the given carbanion,  $\text{CH}_3\text{C} = \text{C}^\ominus$  is present in which of the following orbitals?  
(a) 2p (b)  $\text{sp}^3$  (c)  $\text{sp}^2$  (d) sp

8. The IUPAC name of the compound



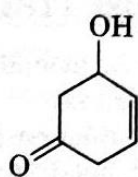
- (a) 5-formylhex-2-en-3-one  
(b) 5-methyl-4-oxohex-2-en-5-al  
(c) 3-keto-2-methylhex-5-enal  
(d) 3-keto-2-methylhex-4-enal

9. IUPAC name of the compound



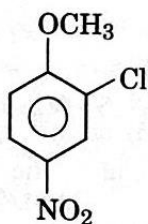
- (a) 2-phenyl-4-bromopent-2-ene  
(b) 4-bromo-2-phenylpent-2-ene  
(c) 2-bromo-4-phenylpent-2-ene  
(d) 4-phenyl-2-bromopent-2-ene

10. IUPAC name of the given compound is:



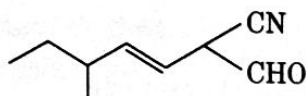
- (a) 3-Hydroxycyclohex-4-en-1-one  
(b) 5-Hydroxycyclohex-3-enone  
(c) 5-ketocyclohex-2-enol  
(d) 3-ketocyclohex-5-enol

11. IUPAC name of the given compound:



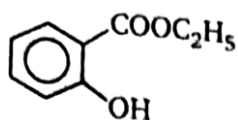
- (a) 2-chloro-4-nitroanisole  
(b) 1-chloro-3-nitro-6-methoxybenzene  
(c) 3-chloro-1-nitro-4-methoxybenzene  
(d) 1-chloro-2-methoxy-5-nitrobenzene

12. Correct IUPAC name of the given compound:



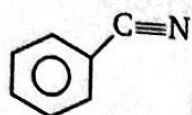
- (a) 2-cyano-5-methylhept-3-en-1-al  
(b) 2-Formyl-5-methylhept-3-ene-1-nitrile  
(c) 5-Ethyl-2-cyanohept-3-enal  
(d) 2-Cyano-5-ethylhex-3-enal

13. The IUPAC name of compound:



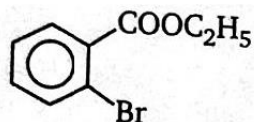
- (a) 2-Chlorocarbonyl ethylbenzoate  
(b) 2-Carboxyethyl benzol chloride  
(c) Ethyl-2-hydroxy benzoate  
(d) Ethyl-1-(chlorocarbonyl) benzoate

14. What is the IUPAC name for the following compound?



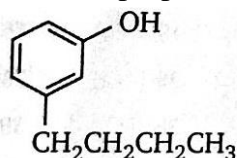
- (a) Benzenecarbonitrile (b) Benzenecyanide (c) Phenylcyanide (d) Cyanophenyl

15. Write the IUPAC name of the following compound:



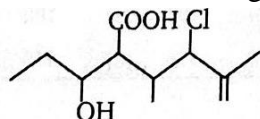
- (a) ethyl-2-bromo benzoate (c) 2-(ethoxycarbonyl) benzoyl chloride  
(b) ethyl-2-(chlorocarbonyl) hexanoate (d) None of these

16. What is the proper name of the compound below?



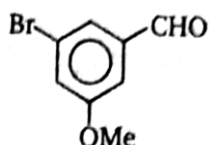
- (a) 1-phenoxyethane (c) m-butylhydroxybenzene  
(b) ethyl phenyl ether (d) m-butylphenol

17. What of the following represent correct IUPAC name of the following compound?



- (a) 4-Chloro-2-hydroxypropyl-3,5-dimethyl hex-5-enoic acid  
(b) 4-Chloro-3,5-dimethyl-2-hydroxypropyl hex-5-enoic acid  
(c) 4-Chloro-2-hydroxypropyl-3-methyl-5-methylene hexanoic acid  
(d) 2-Hydroxypropyl-1-chloro-3-methyl-5-methylene hexanoic acid

18. The correct IUPAC name of compound is:

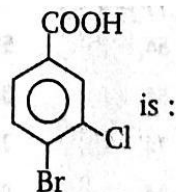


- (a) 3-methyl-5-bromo benzene carbaldehyde  
(b) 3-formyl-5-bromo phenyl methyl ether  
(c) 3-bromo-5-methoxy benzaldehyde  
(d) 3-formyl-5-bromo-1-methoxy benzene

19. Select the option in which common name correctly match with IUPAC name.

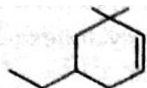
- (a) Acetic Acid → Propanoic Acid (c) Formyl Chloride → Ethanoyl Chloride  
(b) Crotonaldehyde → But-2-enal (d) Acetamide → methanamide

20. The correct IUPAC name of the given compound:



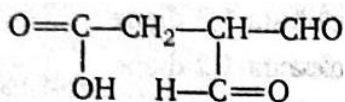
- (a) 1-Bromo-2-chloro benzene-4-carboxylic acid  
(b) 4-Bromo-1-carboxy-3-chloro-benzene  
(c) 4-Bromo-3-chloro benzoic acid  
(d) 1-Bromo-2-chloro-4-carboxy benzene

21. The IUPAC name of compound is:



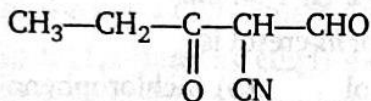
- (a) 5-ethyl-3,3-dimethyl cyclohexene (c) 3-ethyl-5,5-dimethyl cyclohex  
(b) 4-ethyl-5,5-dimethyl cyclohex-2-ene (d) 6-ethyl-4,4-dimethyl cyclohexene

22. The correct IUPAC name of the following compound is:



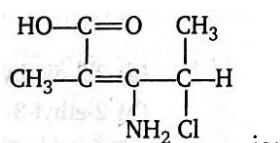
- (a) 3,3-Diformyl propanoic acid  
(b) 3-Formyl-4-oxo-butanoic acid  
(c) 3,3-Dioxo propanoic acid  
(d) 3,3-Dicarbaldehyde propanoic acid

23. The correct IUPAC name of compound is:



- (a) 2-Cyano-3-oxopentanal  
(b) 2-Formyl-3-oxopentanenitrile  
(c) 2-Cyano-3, 3-pentanedione  
(d) 1,3-Dioxo-2-cyanopentane

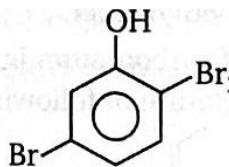
24. The IUPAC name of compound



is:

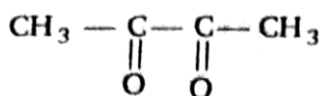
- (a) 2-Amino-3-chloro-2-methylpent-2-enoic acid  
(b) 3-Amino-4-chloro-2-methylpent-2-enoic acid  
(c) 4-Amino-3-chloro-2-methylpent-2-enoic acid  
(d) All of the above

25. What is the IUPAC name of the following compound?



- (a) 0-nitro-m-bromotoluene  
(b) 3-bromo-6-nitrotoluene  
(c) m-bromo-o-nitrotoluene  
(d) 2,5-dibromo phenol

26. The IUPAC name of

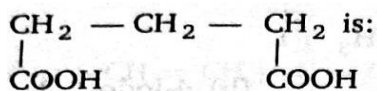


- (a) Butane-2, 3-dial  
(b) Butane-2, 3-dione  
(c) Butane-1, 3-dione  
(d) 1, 2-dimethylethanedione

27. The IUPAC name of  $\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2$  is:

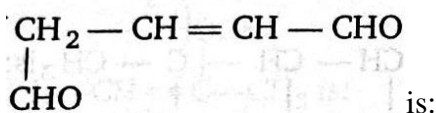
- (a) Butane  
(b) Buta-1, 3-diene  
(c) Butane-1, 3-diene  
(d) none of these

28. The IUPAC name of



- (a) Pentane-1, 5-dioic acid  
(b) Pentane-1, 5-dicarboxylic acid  
(c) Propane-1, 3-dioic acid  
(d) none of these

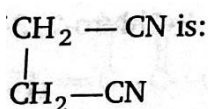
29. The IUPAC name of



is:

- (a) Propene-1, 3-dial  
(b) Propene-1, 5-dial  
(c) Propene-1, 3-dicarbaldehyde  
(d) Pent-2-ene-1, 5-dial

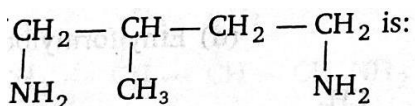
30. The IUPAC name of



- (a) Butane-1, 4-dicarbonitile  
(b) Ethane-1, 2-dinitrile

- (c) Ethane-1, 2-dicarbonitrile  
(d) Butane-1, 4-dinitrile

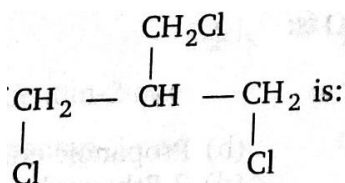
31. The IUPAC name of



- (a) 2-Methylbutane-1, 4-diamine  
(b) 3-Methylbutane-1, 4-diamine

- (c) 3-(Aminomethyl) butanamine  
(d) 2-(Aminomethyl) butan-4-amine

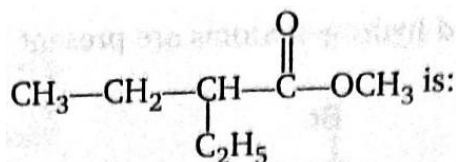
32. The IUPAC name of



- (a) Tris (chloromethyl) methane  
(b) 1,3-Dichloro-2 (chloromethyl) propane

- (c) 1-Chlorobis (chloromethyl) ethane  
(d) none of these

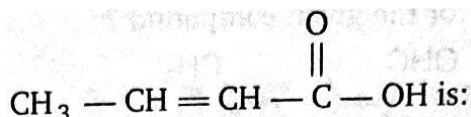
33. The IUPAC name of



- (a) Methyl 2-ethylbutanoate  
(b) 1-methoxy-2-ethylbutanone

- (c) 3-Methoxycarbonylpentane  
(d) 1-methoxy-2-ethylbutanal

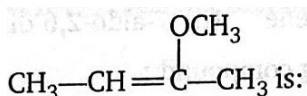
34. The IUPAC name of



- (a) But-1-en-4-oic acid  
(b) 1-hydroxybut-2-en-1-one

- (c) But-2-en-1-oic acid  
(d) But-2-en-4-oic acid

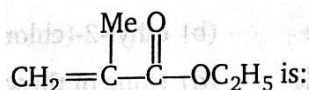
35. The IUPAC name of



- (a) 1-Methoxy-1-methylpropene  
(b) 2-Methoxy-2-ene

- (c) dimethylpropeneether  
(d) none of these

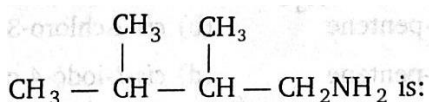
36. The IUPAC name of



- (a) Ethyl 2-methylprop-2-enoate  
(b) Ethyl 2-methylprop-1-enoate

- (c) 1-Ethoxy-2-methylprop-2-enone  
(d) 1-Ethoxy-2-methylprop-2-enal

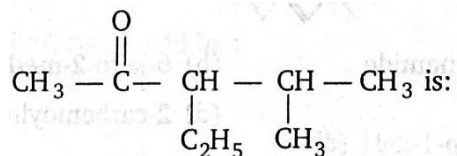
37. The IUPAC name of



- (a) 2, 3-Dimethylbutan-4-amine  
(b) 2, 4-Dimethylbutan-1-amine

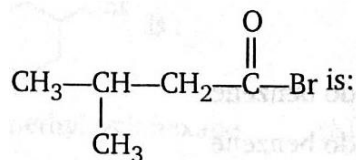
- (c) 2, 4-Dimethylbutan-4-amine  
(d) 2, 3-Dimethylbutan-1-amine

38. The IUPAC name of



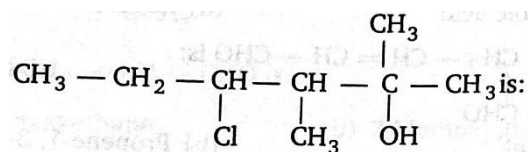
- (a) 3-(Methylethyl) pentan-2-one  
 (b) 3-Ethyl-4-methylpentan-2-one  
 (c) 3-(Methylethyl) pentan-4-one  
 (d) 3-Ethyl-2-methylpentan-4-one

39. The IUPAC name of



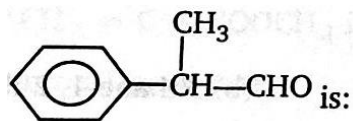
- (a) 2-Methylbutanoyl bromide  
 (b) 1-Bromo-3-Methylbutanone  
 (c) 2-Methylbutan-4-oyl bromide  
 (d) 3-Methylbutanoyl bromide

40. The IUPAC name of



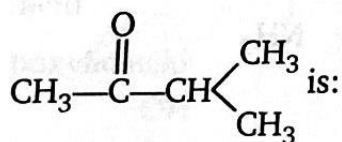
- (a) 4-Chloro-2, 3-dimethylhexane-2-ol  
 (b) 4-Choro-2-hydroxy-2, 3-dimethylhexane  
 (c) 4-Chloro-1, 1, 2-trimethylpentan-2-ol  
 (d) 3-Chloro-2, 3-dimethylhexane-2-ol

41. The IUPAC name of



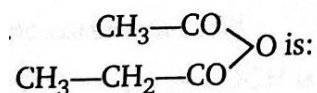
- (a) 2-Phenylpropan-3-al  
 (b) Formylethylbenzene  
 (c) 2-Phenylpropanal  
 (d) Ethylformylbenzene

42. The IUPAC name of



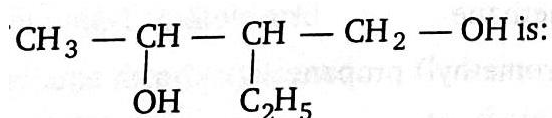
- (a) 2-Methylbutan-3-one  
 (b) 2-Methylbutan-3-al  
 (c) 3-Methylbutan-2-al  
 (d) 3-Methylbutan-2-one

43. The IUPAC name of



- (a) Ethanoic propanoic anhydride  
 (b) Propanoic ethanoic anhydride  
 (c) 1-Ethanoyloxypropanone  
 (d) 3-Ethanoyloxypropan-3-one

44. The IUPAC name of



- (a) 3-Ethylbutane-2, 4-diol  
 (b) 2-Ethylbutane-1, 3-diol  
 (c) 3-Ethylbutane-1, 3-diol  
 (d) 2-Ethyl-1-methylpropane-1, 3-diol

45. Structure of the compound whose IUPAC name is 3-Ethyl-2-hydroxy-4-methylhex-3-en-5-ynoic acid is:

