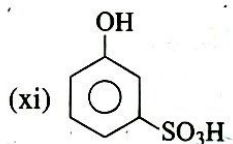
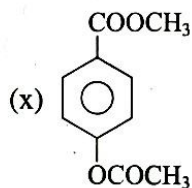
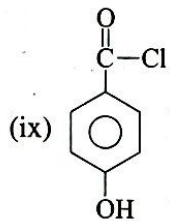
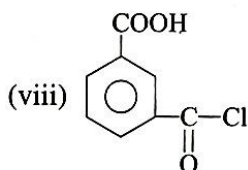
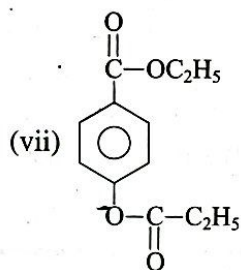
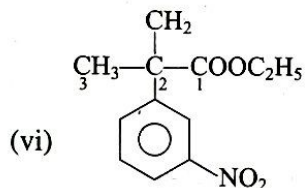
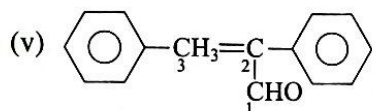
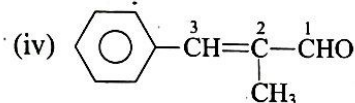
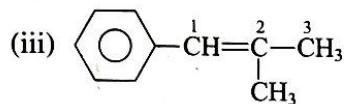
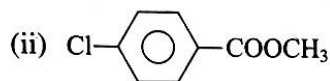
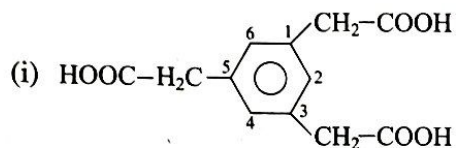


Subjective Type

1. Give IUPAC name for each of the following:

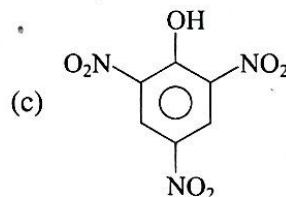
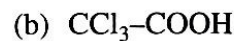
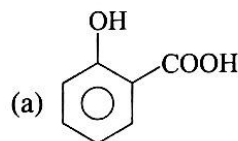


2. Draw the structures for each of the following:

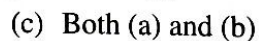
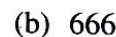
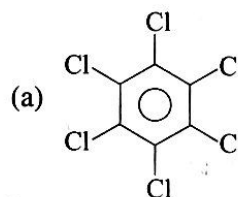
- (i) 1,2,4-trimethyl benzene
- (ii) 1,3,5-triphenyl benzene
- (iii) 2-phenyl butane
- (iv) 5-chloro-3-ethyl-1,2-dimethyl naphthalene
- (v) 2,3-dimethyl-5-phenyl-1,3,5-octatriene
- (vi) 2,3-dichlorotoluene
- (vii) 1,2-diethyl benzene
- (viii) 2,7-dimethyl naphthalene
- (ix) Styrene
- (x) 1,2-dimethylbutyl benzene

Single Correct Answer Type

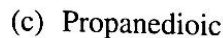
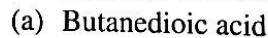
3. Which of the following is called picric acid?



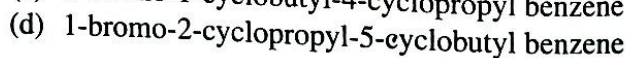
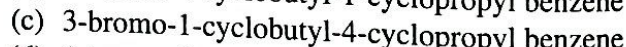
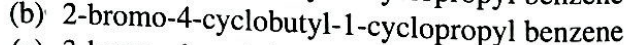
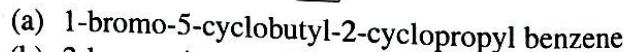
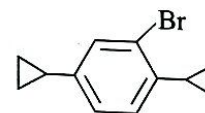
4. Gammaxene is



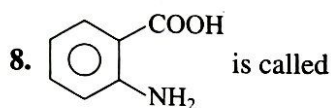
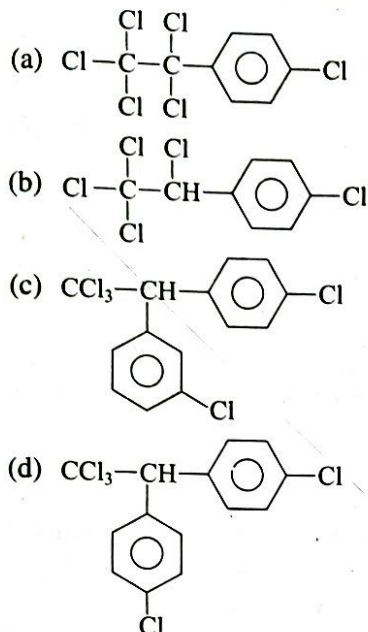
5. IUPAC name of succinic acid is



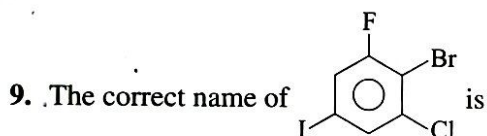
6. What is the correct IUPAC name of the following compound?



7. The formula of DDT is

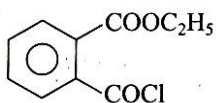


- (a) Anthranilic acid (b) Sulphanilic acid
(c) Both (a) and (b) (d) None of these



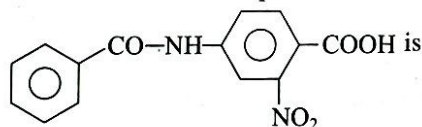
- (a) 1-Bromo-6-chloro-2-fluoro-4-iodobenzene
(b) 1-Bromo-2-chloro-6-fluoro-4-iodobenzene
(c) 2-Bromo-1-chloro-3-fluoro-5-iodobenzene
(d) 2-Bromo-3-chloro-1-fluoro-5-iodobenzene

10. The IUPAC name of the compound is



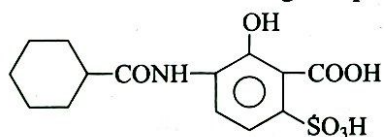
- (a) Ethyl 2-(chlorocarbonyl) benzoate
(b) Ethyl 2-(chloromethanoyl) benzoate
(c) Ethyl-2-(chloroformyl) benzoate
(d) 2-(Ethoxycarbonyl) benzyl chloride

11. The IUPAC name of the compound



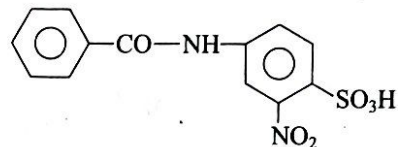
- (a) 4-(Benzoylamino)-6-nitrobenzoic acid
(b) 4-Benzenecarboxamide-6-nitrobenzoic acid
(c) 4-(Benzoylamino)-2-nitrobenzoic acid
(d) 4-(Benzamido)-2-nitrobenzoic acid

12. What is the name of the following compound?



- (a) 3-(cyclohexanecarboxamido)-2 hydroxy-6-sulphobenzoic acid
(b) 2-Carboxy-4 (cyclohexanecarboxamido)-3-hydroxy-benzene sulphonic acid
(c) 5-(cyclohexanecarboxamido)-6-hydroxy-2-sulphobenzoic acid
(d) None of the above

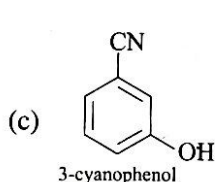
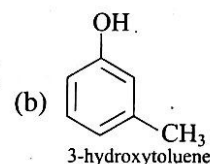
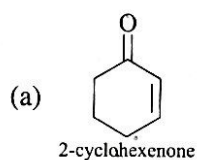
13. Write the IUPAC name of the following compound.



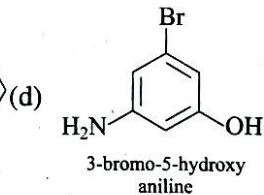
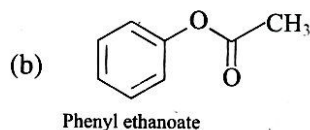
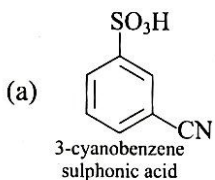
- (a) 4-(benzene carboxamide)-6-nitrobenzene sulphonic acid
(b) 4-(benzoylamino)-6-nitrobenzene sulphonic acid
(c) 4-(benzoylamino)-2-nitrobenzene sulphonic acid
(d) 4-(benzamido)-6-nitrobenzene sulphonic acid

Multiple Correct Answers Type

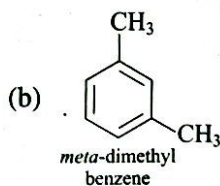
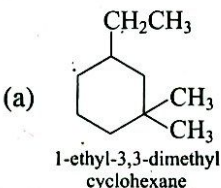
14. Which of the following compounds and their IUPAC names are correctly matched?

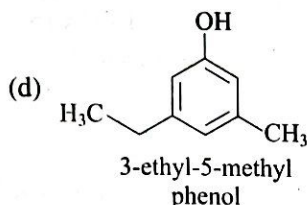
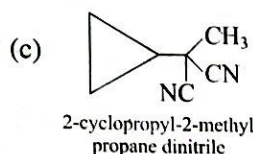


15. Which of the following compounds and their IUPAC name are wrongly matched?

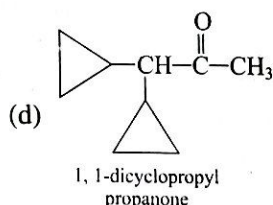
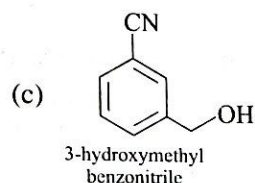
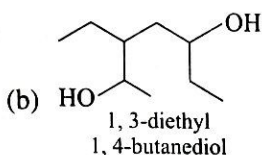
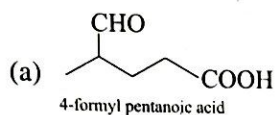


16. Which of the following compound(s) and their IUPAC name is/are wrongly matched?





17. Which of the following compounds and their names are correctly matched?

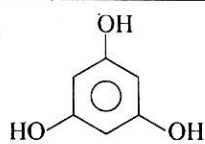
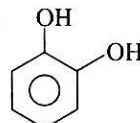
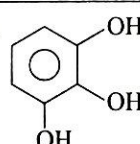
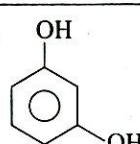


18. Which of the following names are incorrect according to IUPAC?

- (a) Propadiene (b) Butadiene
(c) Butanedione (d) Propanediol

Matching Column Type

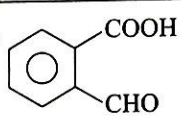
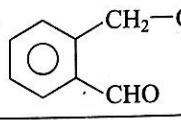
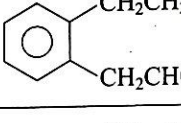
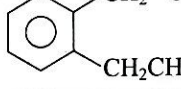
19. Match List I with List II and select the correct answer using code given below the lists.

List I (Name)	List II (Formula)
A. Pyrogallol	1. 
B. Phloroglucinol	2. 
C. Catechol	3. 
D. Resorcinol	4. 

Codes:

- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 1 | 2 | 3 | 4 |
| (b) | 3 | 1 | 2 | 4 |
| (c) | 3 | 2 | 1 | 4 |
| (d) | 1 | 2 | 3 | 4 |

20. Match the following compound with their IUPAC name:

Column I	Column II
p. 	w. 3[2-(2-Oxoethyl)phenyl]propanoic acid
q. 	x. 2-[2-(3-Oxopropyl)phenyl]ethanoic acid
r. 	y. 2-(2-Formylphenyl)ethanoic acid
s. 	z. 2-Formylbenzenecarboxylic acid

Integer Type

21. How many different IUPAC names can be assigned to compound with molecular formula C_7H_8O with a phenyl ring along its compounds?
22. In 3-formyl-2-methyl benzoic acid, what is the maximum number of hydrogen atoms which may lie in one single plane?
23. How many different IUPAC names can be assigned to a hydroxyl substituted benzene dicarbonitrile?

Comprehension Type

An aromatic compound has one cyanide and two chloride groups on benzene ring. In IUPAC system, cyanide has higher priority than chloride group, therefore determine suffix of parent name of the compound.

24. How many different IUPAC names can be assigned to the above mentioned compound?
- (a) 2 (b) 3 (c) 4 (d) 6
25. What is IUPAC name of the compound above which is most polar?
- (a) 2,3-dichlorobenzonitrile
(b) 2,4-dichlorobenzonitrile
(c) 2,6-dichlorobenzonitrile
(d) 3,4-dichlorobenzonitrile
26. Which IUPAC name of the compound above is least polar?
- (a) 2,3-dichlorobenzonitrile
(b) 2,5-dichlorobenzonitrile
(c) 3,4-dichlorobenzonitrile
(d) 3,5-dichlorobenzonitrile

Single Correct Answer Type

3. (c) 4. (c) 5. (a) 6. (b) 7. (d)
8. (a) 9. (c) 10. (a) 11. (c) 12. (b)
13. (c)

Multiple Correct Answers Type

14. (a, d) 15. (c, d) 16. (a)
17. (c, d) 18. (b, d)

Matching Column Type

19. (b) ($A \rightarrow 3$), ($B \rightarrow 1$), ($C \rightarrow 2$), ($D \rightarrow 4$)
20. ($p \rightarrow z$), ($q \rightarrow y$), ($r \rightarrow w$), ($s \rightarrow x$)

Integer Type

21. (5) 22. (4) 23. (6)

Comprehension Type

24. (d) 25. (c) 26. (d)