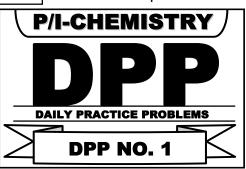
TARGET: NEET (UG) 2024

Course: SARANSH (Youtube Live CRASH COURSE)



DPP No.: 1

- 1. Addition of HCI to 2-methyl-2-butene mainly gives
 - (1) 1-Chloro-2-methylbutane

(2) 2-Chloro-2-methylbutane

(3) 2-Chlorobutane

- (4) 1-Chlorobutane.
- 2. Kharasch effect regarding addition of HBr is not observed in :
 - (1) hex-1-ene
- (2) prop-1-ene
- (3) hex-3-ene
- (4) pent-1-ene

3.
$$X \xrightarrow{O_3/2n} + \bigcup$$

The IUPAC name of compound Y is:

(1) 2-Cyclohexyl butane

(2) 1-Methyl propyl cyclohexane

(3) Butyl cyclohexane

- (4) 1-Cyclohexyl butane
- An alkene give two moles of HCHO, one mole of CO_2 and one mole of CH_3 C CHO on ozonolysis. 4.

What is its structure?

(1)
$$CH_2 = CH - CH - CH = CH_2$$

(3)
$$CH_3 - C = CH - CH = CH_2$$

(1)
$$CH_2 = CH - CH = CH_2$$
 (2) $CH_2 = C = CH - C - CH_3$ CH_2 (3) $CH_3 - C = CH - CH = CH_2$ (4) $CH_2 = C = CH - CH = CH_2$ CH_3 CH_3

- 5. The characteristic reaction of benzene is:
 - (1) Electrophilic addition

(2) Nucleophilic substitution

(3) Electrophilic substitution

(4) Nucleophilic addition.

6. The decreasing order of reactivity towards electrophilic substitution reaction of the following compounds

is:

- (i) benzene,
- (ii) chlorobenzene,
- (iii) nitrobenzene,
- (iv) toluene

- (1) i > iii > iv > ii
- (2) iv > i > iii > ii
- (3) iv > i > ii > iii
- (4) iv > ii > i > iii

- 7. -NH₂ group in aniline is:
 - (1) m-directing and deactivating
- (2) o, p-directing and deactivating
- (3) o, p-directing and activating
- (4) m-directing and activating
- **8.** An unknown carboxylic acid salt on kolbe's electrolysis form cyclobutane; the carboxylic acid can be:
 - (1) adipic acid
- (2) hexanoic acid
- (3) succinic acid
- (4) fumaric acid
- **9.** Number of moles of hydrogen required for complete hydrogenation of one mole of the following compound:



- (1)6
- (2)7
- (3) 5
- (4) 3
- **10.** Only one isomeric monochloro derivatives are possible for :-
 - (1) n-Pentane

(2) 2,4-Dimethyl pentane

(3) Toluene

(4) 2,3-Dimethyl butane

Answer Key

- 1.
- (2)
- 2.

(3)

- 3.
- (2)
- 4.
- (2)
- 5.
- (3)

6.

- (3)
- **7.** (3)

- **8.** (1)
- 9.
- **(3) 10.**
- (3)