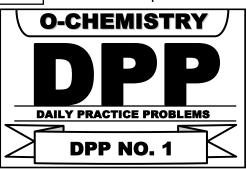


TARGET: NEET (UG) 2024

**Course:** SARANSH (Youtube Live CRASH COURSE)



## **DPP No.: 1**

1.	On heating	calcium	propionate,	the	product	formed is

- (1) 3-Pentanone
- (2) 2-Pentanone
- (3) 3-Methyl-2-butanone (4) Propanone
- 2. A mixed salt of calcium acetate formate on dry distillation gives
  - (1) ethanal
- (2) methanal
- (3) propanone
- (4) All the three above.

- **3.** Which gives nucleophilic addition most easily?
  - (1) CH<sub>3</sub>CHO
- (2) CH<sub>3</sub>CH<sub>2</sub>CHO
- (3) CH<sub>3</sub>-CHCHO

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- (4) HCHO
- **4.** Hydrolysis product which is formed by reaction between ketone and grignard reagent will be :
  - (1) (CH<sub>3</sub>)<sub>3</sub>CHOH
- (2) C<sub>2</sub>H<sub>5</sub>OH
- (3) CH<sub>3</sub>OH
- (4) None of these
- 5. Base-catalysed aldol condensation will occur with
  - (1) Benzaldehyde

(2) Propionaldehyde

(3) Formaldehyde

- (4) 2, 2-Dimethylpropionaldehyde.
- **6.** Ph–CHO + CH<sub>3</sub>–CHO  $\stackrel{\circ}{\longrightarrow}$  Product is:
  - (1) Ph –CH =CH– CHO

- (2) Ph-CH<sub>2</sub>-CH-CHO
  - ΄ | OH

(3) CH<sub>3</sub>-CH<sub>2</sub>-CH-Ph

- (4) Ph–CH–CH<sub>2</sub>–Ph | OH
- 7. Benzaldehyde is converted to benzyl alcohol by :
  - (1) Wurtz reaction
- (2) Cannizzaro reaction (3) Fittig reaction
- (4) Wurtz Fittig reaction
- **8.** Oxidation of compound X gives a product which reacts with phenylhydrazine but does not give a silver mirror test. Possible structure for X is
  - (1) CH<sub>3</sub>CHO
- (2) CH<sub>3</sub>CH<sub>2</sub>OH
- (3) (CH<sub>3</sub>)<sub>2</sub>CHOH
- (4) CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OH
- **9.** When  $C_6H_5NH_2$  heated with  $C_6H_5CHO$  the product is :-
  - (1) Schiff's base(2) Benzoin
- (3) Azoxy benzene
- (4) Unsaturated acid

- **10.** Fehiling's solution is
  - (1) Acidified CuSO<sub>4</sub> solution
  - (2) Ammonical CuSO<sub>4</sub> solution
  - (3) Copper sulphate + sodium hydroxide + Rochelle salt
  - (4) Copper acetate + sodium citrate.

## **Answer Key**

- **1.** (1) **2.** (1) **3.** (4) **4.** (1) **5.** (2) **6.** (1) **7.** (2)
- **8.** (3) **9.** (1) **10.** (3)



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