

Organic Chemistry -2

Rayat Shikshan Sansthas

Dahiwadi College Dahiwadi

Department of Chemistry

Class- B.Sc.III Sub- Organic Chemistry Paper No- XV, Sem-VI Marks -20 Date 22.4.2020 time -6.00 Pm -

6:25Pm

Online Test-No-2 Marks 20

1. Raney nickel is prepared by dissolving a block of Ni-Al alloy in----- (1 point)

- aquaregia
- con H_2SO_4
- con Na_2CO_3
- 5 molar NaOH

2. Diazomethane can be prepared from----- (1 point)

- N-nitroso N-methyl amides
- N-nitroso N-methyl -toluenesulphonamide
- Bis-(N- N-nitroso N-methyl) terphliamide
- all of these

3. Slowly adding bromine to ice cold solution of succinamide in alkali gives (1 point)

- CAN
- NBS
- CH_2N_2
- DCC

4. Which of the following reagent is an organic compound (1 point)

a) LAH b) OsO₄ c) Raney Nickel d) DCQ

- LAH
- OsO₄
- Raney Nickel
- DCQ

5. Cyclohexanone is converted into 2-bromocyclohexanone in presence of----- (1 point)

- LAH
- NBS/CCl₄
- carboxylic acid
- CH₂N₂

6. Diazomethane needs a Lewis acid catalyst to react with----- (1 point)

- Phenol
- HCl
- amine
- carboxylic acid

7. Only in presence of Lewis acid diazomethane reacts with----- (1 point)

- alcohol
- phenol
- carboxylic acid
- all of these

8. The reagent SeO₂ is primarily used to oxidize the position..... (1 point)

- a. benzylic

- b. allylic
- both a and b
- phenolic

9. Osmic acid oxidizes alkenes to-----

(1 point)

- Cis-diol
- ketone
- carboxylic acid
- geminal diol

10. The reagent used for methylation reaction is-----

(1 point)

- diazomethane
- CAN
- NBS
- DCC

11. Diazomethane react with aldehyde to give-----

(1 point)

- methyl ketone
- little epoxidex
- higher aldehyde
- ester

12. Photolysis of diazomethane yields

(1 point)

- Carbene
- methane
- Ethene
- a polymer

13. Reducing agent amongst the following is ----- (1 point)

- OsO₄
- Raney nickel
- CAN
- SeO₂

14. PPA is a----- (1 point)

- good solvent
- non-charring compound
- strong dehydrating agent
- all of these

15. Reacting RCOOH with CH₂N₂ forms the product----- (1 point)

- RCOOCH₃
- RCOCH₃
- RCH₂CH₃
- RCHO

16. The quinone used for the dehydrogenation is,----- (1 point)

- DDQ
- CAN
- NBS
- DDC

17. Reduction using LAH produces alcohol from----- (1 point)

- RCOOR

- RCOOH
- RCOCl
- all of these

18. Raney nickel is prepared by dissolving a block of Ni-Al alloy in-----

(1 point)

- aquaregia
- con H_2SO_4
- con Na_2CO_3
- 5 molar NaOH

19. Alkaline hydrolysis of N-nitroso N- alkyl amides forms-----

(1 point)

- a NBS
- CAN
- NBS
- diazomethane

20. Tetralin is converted into naphthalene in presence of-----

(1 point)

- DDQ
- CAN
- NBS
- PPA