

T.Y.B.Sc CH-503

QuestionsResponsesSettings

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Section 1 of 3

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T.Y. B.Sc Internal Exam CH-503

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Exam Section



All Questions are compulsory, Each Question Carry 2 Marks

Q.1) Carbonyl compounds are formed by decomposition of - *

- ☐ Alkene
- ☐ Molozonide
- ☐ Ozone
- ☐ Ozonide

Q.2) The hydrogenation of unsaturated alkene gives *

- ☐ All
- ☐ Mixture of syn and trans addition product
- ☐ Trans addition
- ☐ Syn addition

Q.3) How many transition states are found in substitution nucleophilic unimolecular *

- ☐ Three
- ☐ Four



one

Q.4) Ozonolysis of ethene gives *

- ☐ Formaldehyde
- ☐ Acetone
- ☐ Hexane
- ☐ Mixture of acetone and formaldehyde

Q.5) CUnsaturated compounds combine with attacking reagent to form single product containing all the reactants and reagents is- *

- ☐ Substitution reactions
- ☐ Addition reaction
- ☐ Elimination reaction
- ☐ Free radical

Q.6) Carbonium ion intermediate obtain in- *

- ☐ SN2 reaction
- ☐ SN1 Reaction
- ☐ None
- ☐ SN i Reaction

Q.7) Hydration of Ketone Produce *



- ☐ Geminal diol
- ☐ Vicinal diol
- ☐ Acetal

Q.8) Nucleophiles are- *

- ☐ May have a lone pair of electron
- ☐ Have a negative charge
- ☐ Electron rich
- ☐ All

Q.9) Propene on hydro bromination gives- *

- ☐ 1- Bromo propane as a major product
- ☐ None
- ☐ 2- bromo propane as a major product
- ☐ 50- 50 % mixture of 1 bromo propane and 2- bromo propane

Q.10) Electron donating group is- *

- ☐ Activating
- ☐ O-P Directing
- ☐ All
- ☐ Rate faster than Benzene



Q.11) What is effect of strength of nucleophile on rate of reaction in SN1 reaction *

- ☐ Rate increases
- ☐ Rate does not affected
- ☐ Rate decreases
- ☐ Some time increases, some time decreases

Q.12) Order of reactivity of alkyl halide for F.C. reaction is *

- ☐ Secondary > Tertiary > Primary
- ☐ Primary > Secondary > Tertiary
- ☐ Tertiary > Secondary > Primary
- ☐ Secondary > Primary > Tertiary

Q.13) Aldol condensation is given by- *

- ☐ Formaldehyde
- ☐ Alcohol
- ☐ Benzaldehyde
- ☐ Acetaldehyde

Q.14) Formaldehyde is _____ molecule *

- ☐ Nonpolar
- ☐ Ionic



Crystalline

Q.15) Drawbacks of F.C. Reaction is- *

- ☐ Dealkylation
- ☐ Rearranged Product
- ☐ All options are correct
- ☐ Poly alkylation

Q.16) Hydroxylation of alkene by the use of Potassium permangnate gives *

- ☐ Trans 1-2 diol
- ☐ Cyclo hexane
- ☐ meso 1-2 diol
- ☐ Epoxide

Q.17) Kinetic Iso tope effect is shown by- *

- ☐ Sulphonation of aromatic compounds
- ☐ Hydrogenation of aromatic compounds
- ☐ Halogenation of aromatic compounds
- ☐ Polymerization

Q.18) Homo lytic fission of PI bond in presence of non polar solvent occurs by- *



☐ Free radical mechanism

☐ Ionic mechanism

☐ Polar mechanism

Q.19) Benzaldehyde gives- *

☐ Option 1

☐ lactone

☐ Cannizzaro reaction

☐ Intermolecular aldol condensation

☐ Aldol condensation

Q.20) Halogen when present in benzene nucleus- *

☐ O-P Directing and deactivating

☐ M-Directing and Activating

☐ M- Directing

☐ O-P Directing and activating

