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Sardar Patel University

B. Sc. Examination (Semester – V)

24th October 2018, Wednesday.

Time: 10:00am to 01:00pm

Industrial Chemistry

COURSE: US05CICH02 (Unit Process In Organic Manufacture)

Total marks: 70 Notes: Figures to the right indicate full marks. Q.1 Answer the following Multiple Choice Questions. (All are compulsory) (10)process? 1. Conversion of picric acid from benzene is C. Oxidation A. Oxynitration D. None of them B. Nitration 2. A vortex type of agitation is done in C. Both of them A. Biazzi nitration D. None of them B. Schimidnitration 3. Which of the following is reducing agent? C. Caro's Acid A. Fe + Acid D. KMNO₄ B. Alkaline H2O2

4. Preparation of HCHO from CH₄ is the example of

A. Combination of hydrogenation & introduction of Oxygen

B. Combination of dehydrogenation & removal of Oxygen

C. Combination of dehydrogenation & introduction of Oxygen

D. All of these.

5. Benzoyl Peroxide is obtained by reacting a...

A, 2C6H5COCl+Na2O2

C. 2C6H5CH2COC1+Na2O2

B. 2C6H5CH2Cl+Na2O2

D. 2SO2Cl+Na2O2.

6. Furning Sulfuric acid is.....

A. H2SO4+SO3 B. H2SO4+H2O

C. H2SO4+Cl D. All of these.

7. Halogenation may involve reactions of

A. Addition

C. Replacement of functional

B. Substitution of hydrogen

group D. All of above.

8. The direct reduction of carboxyl group to an alcohol at temperature usually from

A. 300-400° C

C. 1000-1100° C

B. 700-900° C

D. 0-5° C

9. An active catalyst for hydrogenating the lauryl ester of coconut oil fatty acid is...

A. Copper- ammonium chromate

C. Nickel

B. Copper

D. Copper-ammonium sulphate.

10. KCN + H2O -

 \rightarrow HCN + KOH, is

C. Esterification

reaction.

A. Hydrolysis

B. Hydrogenation

D. None of these.

(P.T.O.)

