

Divisional Public School & College Sahiwal (Sub Campus Chichawatni)

Time: 10 min

3rd Revision Test -2020-21 XII- Chemistry-III

Objective.

Marks:10

Name: _____ Section: _____ Roll No: _____

Note: Cutting, Overwriting, use of ink remover & lead pencil is not allowed.

Q.1: Choose the correct option.

- (i) Methylated spirit contains methanol about:
(A) 10% (B) 12% (C) 14% (D) 95% (A) (B) (C) (D)
- (ii) Phenol can be identified by:
(A) Bromine water test (B) Baeyer's test (C) Lucas test (D) All of these (A) (B) (C) (D)
- (iii) Formalin is _____ solution of formaldehyde in water:
(A) 10% (B) 20% (C) 40% (D) 60% (A) (B) (C) (D)
- (iv) Which of the following will have the highest boiling point:
(A) Methanal (B) Ethanal (C) Propanal (D) 2-Hexanone (A) (B) (C) (D)
- (v) Which of following compounds will not give iodoform test on treatment with I₂/NaOH
(A) Acetaldehyde (B) Acetone (C) Butanone (D) 3-Pentanone (A) (B) (C) (D)
- (vi) Which of the following is symmetrical ketone:
(A) 3-Hexanone (B) Acetone (C) Butanone (D) 2-Pentanone (A) (B) (C) (D)
- (vii) Acetic acid is manufactured by:
(A) Distillation (B) Fermentation (C) Ozonolysis (D) Esterification (A) (B) (C) (D)
- (viii) Flavour of benzyl acetate is:
(A) Pineapple (B) Banana (C) Jasmine (D) Orange (A) (B) (C) (D)
- (ix) Which is not a calcareous material:
(A) Lime (B) Clay (C) Marble (D) Marine shell (A) (B) (C) (D)
- (x) Which three elements are needed for the healthy growth of plants:
(A) N,S,P (B) N,Ca,K (C) N,P,K (D) N,K,C (A) (B) (C) (D)

Divisional Public School & College Sahiwal (Sub Campus Chichawatni)

Time: 80 min

3rd Revision Test -2020-21 XII- Chemistry-III

Subjective.

Marks:40

Q.2. Write down short answers.

(15×2=30)

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| <p>(i) How will you convert Ethanol into Methanol?</p> <p>(iii) Why phenol is acidic while alcohol is not?</p> <p>(v) Absolute alcohol cannot be prepared by fermentation process. Why?</p> <p>(vii) Give one laboratory method for the preparation of acetaldehyde.</p> <p>(ix) Why adduct is same in acid catalyzed and base catalyzed nucleophilic addition reactions?</p> <p>(xi) How carboxylic acids are prepared from alkenes?</p> <p>(xiii) Why formaldehyde does not give Aldol condensation reaction?</p> <p>(xv) How will you convert ethanol into acetic acid?</p> | <p>(ii) What is Tollen's test?</p> <p>(iv) What is glacial acetic acid?</p> <p>(vi) How does formaldehyde react with following reagents: (i) CH₃MgI (ii) Conc.NaOH</p> <p>(viii) Write down the mechanism of amide formation.</p> <p>(x) Write the importance of potassium fertilizers?</p> <p>(xii) What are the qualities of a good fertilizer?</p> <p>(xiv) Distinguish between micronutrients and macronutrients for plants.</p> |
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LONG QUESTIONS.

(5×2=10)

3: Write a note on Lucas test.

4: Explain with mechanism the addition of sodium bisulphite to acetone. What is the utility of this reaction?