

SEVEN STAR INTERNATIONAL SCHOOL BANI
PT -2 EXAMINATION

Time - 1.5 h

SUBJECT - Chemistry (Class - 11th)

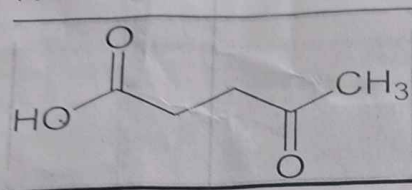
M.M. = 40

General Instructions: All questions are compulsory.

5 marks

Q1. Multiple Choice Questions -

(a) The IUPAC name of

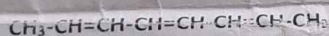


- (i) 1-hydroxypentan-1,4-dione (ii) 1,4-dioxopentanol
(iii) 1-Carboxybutan-3-one (iv) 4-oxopentanoic Acid

(b) What is the oxidation state of Sulphur in Marshal Acid ($H_2S_2O_8$)

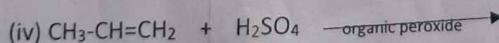
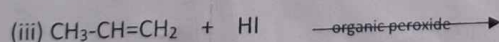
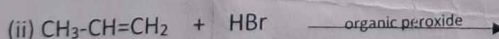
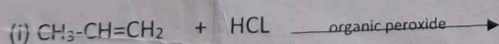
- (i) +6 (ii) -6 (iii) +3 (iv) +4

(c) How many number of geometrical isomers are shown by-



- (i) 5 (ii) 8 (iii) 6 (iv) 10

(d) In which of the following reaction Markownikov's Rule is not observed



(e) Alkyl halide react with Mg in presence of dry ether to form-

- (i) Magnesium Halide (ii) Alkene
(iii) Grignard Reagent (iv) Gilman Reagent

Note- Q2 to Q5 are very short answer questions carry 1 mark each.

Q2. State and explain Saytzeff rule with example.

Q3. What are spectator ions give example.

Q4. Write the order of acidic nature of following

- (a) CH_3COOH (b) $CH_2Cl-COOH$ (c) $CHCl_2-COOH$ (d) CCl_3COOH

Q5. What is chiral centre and chirality. Is both of them are same. Justify your answer.

* PT-2 Examination Class 11th Science

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FORTNIGHT TEST

Explain acid catalyzed hydration of alkene with mechanism. Also show that here addition will take place according to which rule. (Markownikov's or Anti Markownikov's rule).

Q16 is long answer type question carry 4 marks.

Q16. Explain clemenson's reduction with mechanism.

Or

Explain kolbe's electrolysis with mechanism. Also tell to prepare cis alkene which catalyst is used. Write the name of reaction.

FORTNIGHT TEST 1

Subject	English (40)	Maths (40)	Chemistry/Accounts (40)	Physics/Biology (40)
Unit/Topic	PT-2	PT-2	PT-2	PT-2
Date				

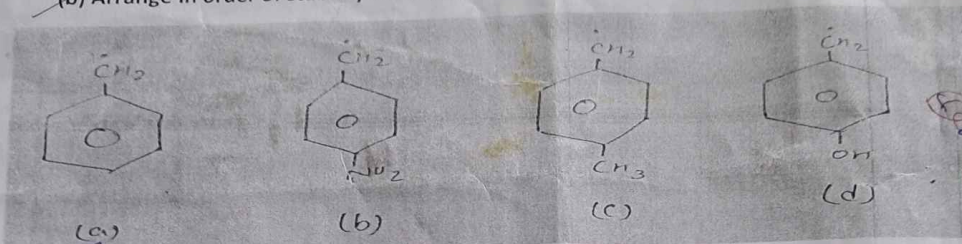
Note - Q6 to 8 are very short answer questions carry 2 marks each.

Q6. Convert the following - (a) Ethyl Bromide into butane.

(b) Ethanol to Ethene.

Q7. (a) Draw the Cis- trans structure of But-2-ene-1,4-dioic Acid.

(b) Arrange in order of stability. Also write by which effect you can give their stability order.



Q8. Complete the reaction-

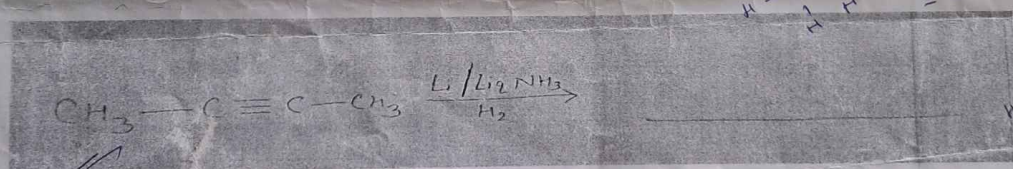


Note - Q9 to 15 are short answer type question carry 3 marks.

Q9. Differentiate between singlet carbene and triplet carbene.

Q10. Explain Kharasch Effect. Why does it take place in case of HBr only?

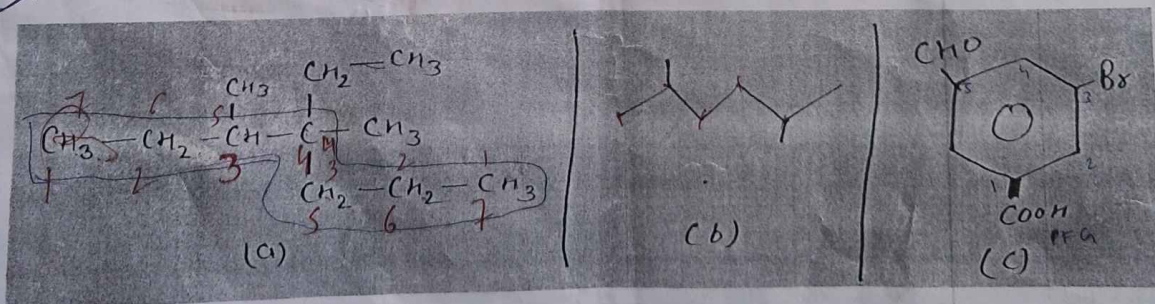
Q11. Complete the reaction below and write its mechanism



Q12. Balance the following reaction by Oxidation Number method (in acidic medium).



Q13. Name the following compound according to IUPAC.



Q14. (A) Why tertiary carbocation is more stable than secondary and primary carbocation.

(B) What are Enantiomers and Diastereomers. Give example.

