

Model Question paper

Hydrocarbons 2

11th Standard

Chemistry

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 00:40:00 Hrs

Total Marks : 26

6 x 1 = 6

Part - A

- 1) Unsaturated compounds with two double bonds are called as
(a) diene (b) olefins (c) alkadiene (d) paraffins
- 2) The hybridization of carbons in ethylene is
(a) sp^2 (b) sp^3 (c) sp (d) dsp^2
- 3) Alcohols can be dehydrated to olefins using
(a) H_2SO_4 (b) Pd (c) $SOCl_2$ (d) Zn/Hg
- 4) When alkyl halides are treated with alcoholic KOH, the products are
(a) olefins (b) alcohols (c) alkanes (d) aldehydes
- 5) Witting reaction is used to prepare
(a) an alkene (b) an alkane (c) an alkyne (d) none of the above
- 6) Electrolysis of potassium succinate gives
(a) ethylene (b) acetylene (c) ethane (d) none of the above

Part - B

1 x 2 = 2

- 7) Discuss the general methods of preparing alkanes

Part - C

1 x 3 = 3

- 8) What is ozonolysis?

Part - D

3 x 5 = 15

- 9) How is ethylene Hydrated?
- 10) What is the action of ozone on acetylene?
- 11) What happens when acetylene is passed through red-hot tube?

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