

Model Question paper
Hydrocarbons 1
11th Standard

Chemistry

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 00:30:00 Hrs

Total Marks : 22

7 x 1 = 7

Part - A

- 1) Alkanes can be represented by the formula
(a) C_nH_{2n+2} (b) C_nH_{2n} (c) C_nH_{2n-2} (d) C_nH_{2n-3}
- 2) Alkenes are represented by the formula
(a) C_nH_{2n+2} (b) C_nH_{2n} (c) C_nH_{2n-2} (d) C_nH_{2n-3}
- 3) Alkynes are represented by the formula
(a) C_nH_{2n+2} (b) C_nH_{2n} (c) C_nH_{2n-2} (d) C_nH_{2n-3}
- 4) The type of substitution reaction that takes place when methane is treated with Cl_2 in presence of light
(a) Ionic (b) nucleophilic (c) electrophilic (d) radical
- 5) When n-hexane is passed over hot alumina supported chromium, vanadium or molybdenum oxide the compound formed is
(a) cyclopentane (b) toluene (c) cyclohexane (d) benzene
- 6) When the identical groups are on the same or opposite sides of the bonds in alkenes the isomerism is called as
(a) chain isomerism (b) geometrical isomerism (c) position isomerism (d) optical isomerism
- 7) Diels-Alder reaction is the reaction between
(a) diene and dienophile (b) electrophile and nucleophile (c) oxidant and reductant (d) none.

Part - B

1 x 2 = 2

- 8) Mention any five chemical properties of alkanes

Part - C

1 x 3 = 3

- 9) What is hydroboration?

Part - D

2 x 5 = 10

- 10) What is witting reaction?

- 11) What is polymerisation?
