

Model Question paper
Aromatic 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 : 27

5 x 1 = 5

Part - A

- 1) The function of $FeCl_3$ in chlorination of benzene is to produce
(a) Cl^- (b) Cl^+ (c) Cl^- (d) Cl
- 2) The ortho and para directing groups are
(a) activating group (b) deactivating group (c) both (d) none
- 3) The purpose of adding conc. H_2SO_4 in nitration of benzene is to produce
(a) NO^2 (b) NO_2^- (c) NO_2^+ (d) NO_3^-
- 4) An example of polycyclic aromatic hydrocarbon
(a) Pyridine (b) pyrrole (c) naphthalene (d) cyclohexane
- 5) The compound which is used as a solvent for the extraction of fats and oils
(a) naphthalene (b) benzene (c) cyclohexane (d) butane

Part - B

2 x 2 = 4

- 6) How is benzene prepared commercially?
- 7) Write a note on activating groups in benzene.

Part - C

1 x 3 = 3

- 8) Explain the term aromaticity?

Part - D

3 x 5 = 15

- 9) How would you convert the following?
sodium benzoate to benzene
- 10) How would you convert the following?
Phenol to benzene
- 11) How would you convert the following?
benzene to toluene
