

By. Er. Dharmendra Sir

7974073108, 9584873492

# **DPM CLASSES**

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

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**TEST - PAPER (CBSE/NCERT)**

## **HALOALKANES AND HALOARENES**

**SESSION -2024-25**

**CLASS - 12<sup>th</sup>**

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Time : 1 hr :- Haloalkanes and Haloarenes :- min.

Q.1. Why can aryl halides not be prepared by reaction of phenol with HCl in the presence of  $ZnCl_2$ ?

Q.2. Allyl chloride is hydrolysed more readily than n-propyl chloride. Why?



Q.3. How do polar solvents help in the first step in  $S_N^1$  mechanism?

Q.4. Write a test to detect the presence of double bond in a molecule.



Q.5. Diphenyls are potential threat to the environment. How are these produced from aryl halides?

Q.6. What are the IUPAC names of the insecticide DDT and benzene hexachloride? Why is their use banned in India and other countries?

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Q. 7. How will you obtain monobromobenzene from aniline?

Q. 8. Test - Butylbromide reacts with 92% NaOH by  $S_N^1$  mechanism while n-butylbromide reacts by  $S_N^2$  mechanism. Why?



Q. 9. Predict the major product formed when HCl is added to isobutylene. Explain the mechanism involved.

Q. 10. Discuss the nature of C-X bond in the halogenes.



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