

EXPERIMENT No.10

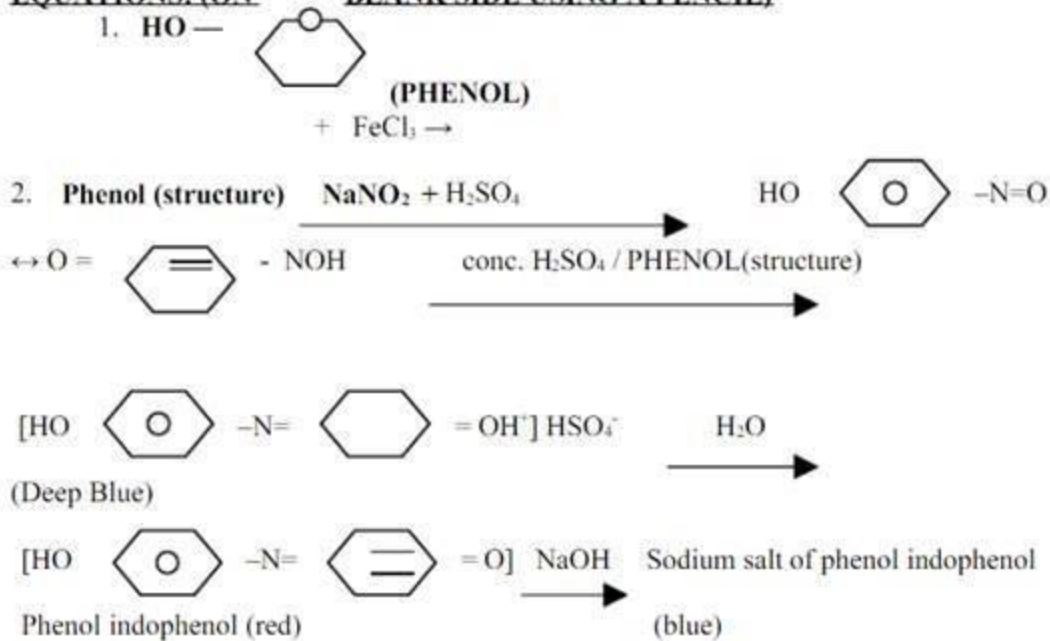
AIM: To test the presence of phenolic group in the given organic compound.

PROCEDURE:

S.No	EXPERIMENT	OBSERVATION	INFERENCE
1	<u>LITMUS TEST</u> Organic compound + few drops of blue litmus solution.	Blue litmus turns red.	Phenolic -OH group present.
2	<u>NEUTRAL FeCl_3 TEST</u> Organic compound + few drops of neutral FeCl_3 solution.	A violet colouration is obtained.	Phenolic -OH group present.

3	<u>LIEBERMANN NITROSO TEST</u> Organic compound + sodium nitrite + conc. H_2SO_4	A deep blue or green colouration is obtained which turns red on the addition of water. The blue or green colour reappears on the addition of NaOH .	Phenolic -OH group present.
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EQUATIONS: (ON BLANK SIDE USING A PENCIL)



RESULT: (ON RULED SIDE) Phenolic -OH present in the given organic compound.