

Department of Chemistry

Chemistry Lab (CH-307)

B. Sc. 3rd Year

List of Experiments

Section –C (Organic)

1. Laboratory Techniques

(a) Steam distillation (non evaluative)

Naphthalene from its suspension in water separation of o- & p-nitrophenols

(b) Column chromatography (non evaluative)

Separation of fluorescein and methylene blue

Separation of green leaf pigments from spinach leaves.

2. Chromatography Method

Determination of R_f values and identification of organic compounds

(a) Separation of green leaf pigments (spinach leaves may be used) by paper chromatographic method.

(b) Separation of a mixture of coloured organic compounds using common organic solvents by TLC.

3. Synthesis of the following organic compounds

(a) To prepare o-chlorobenzoic acid from anthranilic acid.

(b) To prepare p-bromoaniline from p-bromoacetanilide.

(c) To prepare m-nitroaniline from m-dinitrobenzene.

(d) To prepare s-benzyl-iso-thiouonium chloride from thiourea.



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