

ACHARYA NAGARJUNA UNIVERSITY

DEPARTMENT OF CHEMISTRY

M.Sc. CHEMISTRY :: SEMESTER-I

PRACTICAL-II: ORGANIC CHEMISTRY (R22CH16)

(For the students admitted from the A.Y. 2022-2023 onwards)

Max. Marks: 100

(Internal-30M & External-70M)

(Minimum Five Experiments must be carryout)

LIST OF EXPERIMENTS:

1) One step & Two step Organic compounds preparation–Yield of crude and crystallized samples and reporting of the melting point/Boiling points.

Preparations: i) Iodoform ii) n-Dinitroderivative iii) Aspirin iv) p-Nitroaniline
v) Bezophenone vi) Benzoic acid vii) p-Bromo Acetanilide
viii) Acetanilide ix) any other organic compound.

2) Purification of organic compound-The student has to do Recrystallization to final compound(s) (for both steps) and submit the sample.


3) Distillation of Alcohol, Toluene.

4) Chromatography- The student has to submit purity of the final product with TLC

5) Chromatographic separation of impurities by TLC.

6) Student should practice solvent extraction methods.

Note: Apart from (1) & (2) each student must practice S.No. (3) to (6).


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