

2018
CBCS
3rd Semester
CHEMISTRY
PAPER—C7P
(Honours)
(Practical)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Organic Chemistry—III Lab.

1. Identification of supplied single solid organic compound marked 'O' accordingly.

(a) Physical characteristics including solubility test (H_2O), 5% HCl , 5% NaOH , 5% NaHCO_3 , conc. H_2SO_4). 2

(b) Detection of special elements namely—Nitrogen (N), Sulphur(S) and Chlorine(Cl) in the supplied compound. 3

(c) Detection of the following functional groups in the given solid sample. 5

Carboxylic acid, Phenolic-OH, Carbonyl (Ketone and aldehyde), Unsaturation, aromatic nitro, aromatic amino, amido.

(d) Give the confirmative test of any one of the functional groups present in the supplied compound. 2

(e) Determination of melting point of the organic compound. 2

(f) Naming of the probable organic compound with structure. 1

2. Laboratory Note Book 2

3. Viva-Voce 3

N.B. Only Positive tests should be written in the paper. Melting point are to be shown and signed by the examiner.
