

2019

B.Sc. (Honours)

3rd Semester Examination

CHEMISTRY (Honours)

Paper - C 7-P

(Practical)

Full Marks : 20

Time : 3 Hours

1. Identification of supplied single solid organic compound marked 'O' accordingly.
 - (a) Physical characteristics including solubility test in H_2O , 5% HCl, 5% NaOH, 5% $NaHCO_3$ and conc. H_2SO_4 . 2
 - (b) Detection of special elements namely Nitrogen (N), Sulphur (S), Chlorine (Cl) and Bromine (Br) in the supplied sample. 3
 - (c) Detection of the following functional groups in the given sample

[Turn Over]

Carboxylic acid ($-\text{CO}_2\text{H}$), phenolic - OH,
Carbonyl ($-\text{CHO}$ and $>\text{C} = \text{O}$), unsaturation
($>=\text{C}$), aromatic nitro ($\text{Ar} - \text{NO}_2$), aromatic
amino ($\text{Ar} - \text{NH}_2$), amido ($-\text{CONH}_2$) 5

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

(e) Determination of the melting point of the supplied
sample. 2

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

2. Laboratory Note Book. 2

3. Viva-voce. 3

N.B. : Melting point are to be shown and signed by
the examiner.
