Total No. of Pages: 2

2019

Part - II

CHEMISTRY

(Honours)

Paper - V(A)

(Organic)

(Practical)

Full Marks - 50

Time: 6 Hours

The figures in the margin indicate full marks.

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

- A. Identification of supplied single solid organic compound marked 'O' accordingly.
 - (a) Physical characteristics.
 - (b) Solubility test with preliminary conclusion (H₂O, 5% HCl; 5% NaOH, 5% NaHCO₃, Conc H₂SO₄)
 - (c) Detection of special elements (N, S and Cl) in the given solid sample. 2+2+2

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	(d)	Detection of the following functional groups in the given solid sample.
		Carboxylic acid; phenotic - OH; Carboxyl
		(Keto and aldehyde), unsaturation, aromatic
		nitro; aromatic amino, amido. 8×2=16
	(e)	Confirmation of functional groups by confirmatory tests. 2
	(f)	Determination of melting point of the organic
		sample. 3
	(g)	Prepare and submit one appropriate solid derivative of the supplied sample with short description of the method. 2+1
	(h)	Determination of melting point of the
	71.13	derivative. 2
	(i)	Literature Survey. 3
	(j)	Naming of the organic compound with
		structure. 1
В.	Labo	oratory Note Book. 5
C.	Viva-	-Voce. 5
N.B.	•	It is mandatory to record all the observations. Record the melting point and signed by the examiner.

В. C.