Total Pages-2 RNLKWC(A)-/CHEM(H)/CC5P/SEM-III/2023

2023

Chemistry (H)

CBCS

B.Sc. Third Semester End Examination - 2023 PAPER - CC5P

Full Marks: 20

Time: 4 hours

The figures in the right-hand margin indicate marks.

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

Illustrate the answers wherever necessary.

1. Perform any one experiment from the following experiments through lottery. $1\times15=15$

Experiment 1: Study of viscosity of unknown liquid (glycerol, sugar) with respect to water.

Experiment 2: Determination of partition coefficient for the distribution of 12 between water and CCl4.

Experiment 3: Determination of Keq for KI+I2=KI3, using partition coefficient between water and CCl4.

(Turn Over)

Experiment 4: Conductometric	titration	of an	acid	(strong,
weak/ monobasic, dibasic).			•	

Experiment 5: Study of saponification reaction conductometrically.

Experiment 6: Verification of Ostwald's dilution law and determination of Ka of weak acid.

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2.	Laboratory Note Book
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2	Viva-Voce	2
٦.	viva-voce	

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