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RNLKWC(A)/CHEM/SEC-2T/SEM-II/24

CHEMISTRY (Major)
(NEP)

B.Sc. Second Semester End Examination - 2024
PAPER - SEC-2T

Full Marks : 20

Time : 1 hour

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.

Group - A

Answer any five questions :

2×5=10

1. (i) What you mean Accuracy and precision? Discuss with example.
- (ii) Define Chelation.
- (iii) Write two advantages and two disadvantages of ion exchange chromatography.
- (iv) You measured the area of a rectangle plot to be 468 cm². But the actual area of the plot has been recorded as

(Turn Over)

(2)

470 cm². Calculate the percentage error of your measurement.

- (v) Write a short note on rain water harvesting?
- (vi) What are the main composition of soil.
- (vii) What do you meant by Systematic error?
- (viii) Write main principle of column chromatography.

Group - B

Answer any two questions.

2×5=10

- 2. (i) Differentiate qualitative and quantitative analysis.
(ii) What do you mean accuracy and precision?
(2½+2½)=5
- 3. Mention five common food preservation methods. 5
- 4. What is Chromatography? Name of three chromatographic techniques. What type of solvent generally employed in chromatography. 2+1½+1½
- 5. Discuss water purification processes. 5

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