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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 28102 Roll No. 1 2 1 0 7 8 1 2 2 5

B. Pharm. Examination 2024-25

(Odd Semester)

PHARMACEUTICAL ANALYSIS-I

Time : Three Hours] *[Maximum Marks : 75*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : $10 \times 2 = 20$

(a) Define solubility product.

(b) Give the principle of polarography.

(c) Define aprotic solvents with appropriate example.

(d) What do you mean by electrode potential?

(e) What is salt bridge? Give its sgnifiicance in potential measurement.

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(f) Give the types of errors.

(g) What do you mean by co-precipitation and post precipitation?

(h) Give applications of ~~diagotisaton~~ diazonisation titration.

(i) Define neutralization curves.

(j) Define iodometry and Iodimetry.

SECTION – B

2. Attempt any two parts of the following : $2 \times 10 = 20$

(a) Discuss the theories involved in acid-base indicator. Give the classifcation of acid-base titration.

(b) Discuss the principle and methods of ~~diagotisation~~ diazonisation titration.

(c) Discuss the construction and working of calomel electrode and glass electrode.

SECTION – C

Note:- Attempt any seven parts. Each part carry equal marks. $7 \times 5 = 35$

3. (a) Classify solvents used in non-aqueros titration with suitable examples.

(b) Discuss the indicators used in complexometric titration.

(c) Discuss the Mohr's method for estimation of chlorides.

(d) Discuss sources of impurities in medicinal agents.

(e) Explain conductometric titration in conductometry.

(f) Discuss in detail about types of redox titraion.

(g) Discuss various methods of expressing concentration.

(h) Discuss construction and working of dropping mercury electrode in polorography.

(i) Explain primary and secondary standards with suitable example.

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