ADICHUNCHANAGIRI UNIVERSITY

B.Pharmacy I Semester Examination September 2019

TIME: 3 HOURS **MAX.MARKS: 75 MARKS**

PHARMACEUTICAL ANALYSIS - I
Q P Code:- 11122

INSTRUCTIONS: 1. Your answer should be specific to the questions asked**.**
2. Write legibly**.**
3. Write the same question numbers as they appear in this question paper.
4. Draw neat labelled diagrams wherever necessary.

LONG ESSAYS (Answer **any Two**) 2X10=20

1. Explain the construction and working of dropping mercury electrode.
2. Discuss the various methods to minimize errors. How do you standardize sodium hydroxide and hydrochloric acid?
3. Explain the principle involved in the estimation of calcium gluconate and sodium chloride.

SHORT ESSAYS (Answer **any Seven**) 7X5=35

4. Discuss modified volhard's method.
5. Explain the theories of acid –base titrations.
6. Explain the various methods to determine end points in potentiometric.
7. Write the basic principle involved in gravimetry.
8. Classify redox indicators.
9. Enumerate the solvents used in non-aqueous titrations.
10. Explain the assay of sodium benzoate.
11. Explain different types of EDTA titrations.
12. How do you prepare and standardize 0.1 N sodium thiosulfate?

SHORT ANSWERS (Answer **all the questions**) 10X2=20

13. Define polarography maxima.
14. What is bromometry? Mention its applications.
15. Define residual current and limiting current.

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16. Define significant figures. Mention its significance.
17. Name any two indicators used in acid-base titrations.
18. Classify redox titrations.
19. Give an example for reduction reaction.
20. Name a method for estimation of halides.
21. Write any two examples for secondary standards.
22. Define Iodometric and Iodimetry.

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