

(Revised Scheme 2) www.FirstRanker.com

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Q.P. CODE: 9223

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

- 1. a) What is the important of particle size analysis? Explain how X-ray diffraction technique is useful for particle size determination
 - b) Giving the principle of nephelometry, describe the instrument used for this technique
- 2. Describe the instrument methods available for the analysis of some member drugs belonging to sulphonamide and barbiturate groups
- 3. Give the principles involved in the use of the following reagents in pharmaceutical analysis with at least one example for each reagent
 - a) Bratton Marshall reagent (b) 2,6 Dichoroquinone chlorimide (c) MBTH

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- 4. Write a note on development of UV- visible spectrophotometric method for analysis of drugs
- 5. How do you determine vitamin B₁ and B₂ by fluorimetry
- 6. Name some diuretic drugs. Give the methods of estimation of any two of them
- 7. Give some quialitative tests for identification of alkaloids. Write the method of assay of one tropane alkaloid
- 8. What is the principle of flame photometry? Write down its applications
- 9. Giving an example, explain the use of Folin Ciocalteu reagent in drug analysis

SHORT NOTES 2 X 5 = 10 Marks

- 10. Explain how a drugs containing an aldehyde group can be estimated
- 11. What is the principle involved in assay of reserpine injection IP 1996

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