

SECTION - C

16438(J)

M. Pharmacy 2nd Semester Examination

Drug and Excipient Analysis

MP-323

Time : 3 Hours

Max. Marks : 90

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any one question from Section A, any three questions from Section B and any seven questions from Section C.

SECTION - A

1. Discuss the concepts of analytical method development and pharmacopoeial controls comprehensively.
2. Write an exhaustive note on analysis of drugs in solid state and role of X ray powder diffraction studies in drug analysis.
(1×25=25)

SECTION - B

3. Discuss the importance of particle size studies in the analysis of drugs and excipient.
4. Explain in detail the role of nephelometry in drug analysis.
5. Discuss the principles and procedures involved in the quantitative determination of aldehyde, ketone, amine and nitrates.
6. Describe the light emission methods used in quantitative analysis.
(3×10=30)

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7. Discuss the principle and procedure involved in the analysis of alkaloids.
8. Explain analysis of metals and non metals.
9. Discuss the use of 2, 3, 5 triphenyltetrazolium salt in pharmaceutical analysis.
10. Describe the use of Carr-Price reagent in drug analysis.
11. Describe the method used for analysis of isoniazid.
12. Write the principle and procedure used for analysis of steroid hormone.
13. Explain the method for analysis of riboflavin.
14. Discuss radiochemical methods of analysis.
15. Give the validation protocols for GC. (7×5=35)