

[Total No. of Questions - 15] [Total No. of Printed Pages - 2]
(2063)

911

MBA 4th Semester Examination

Drug & Excipient Analysis

MP-323

Time : 3 Hours

Max. Marks : 60

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 : All Sections are compulsory.

SECTION - A

Attempt any ONE question.

1. Write the principle and procedure involved in analysis of steroid hormones. (25)
2. Give the principle and procedure used in analysis of cincona alkaloid with special emphasis on totonine. (25)

SECTION - A

Attempt any THREE questions.

3. Describe the analytical methods for the determination of aldehyde and ketone. (10)
4. Give principle and procedure involved in the use of following reagents (any TWO)
(a) MBTH (b) Ninhydrine (c) PDAB (10)
5. Write the details of method validation parameters for HPLC. (10)

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6. Write a note on quality control of radio pharmaceuticals. (10)

SECTION - C

Attempt any SEVEN questions.

7. Highlight the advantages of X-Ray powder diffraction method for analysis of drug and excipients in solid state. (5)
8. Mention the solubility parameters of drugs as per give in IP 2010. (5)
9. Write the principle and method of turbidometry used for quantitative analysis. (5)
10. Explain the principle of flame photometry. (5)
11. Enumerate the instrumental methods involved in analysis of barbiturates. (5)
12. Write the procedure for analysis of bratton-marshall reagent. (5)
13. Write a short note on analysis of heavy metals. (5)
14. Explain a role of 2,4-DNP in determination of aldehydes. (5)
15. Give the methods and reagents used in the analytical determination of sulphonamides. (5)