[Total No. of Questions - 15] [Total No. of Printed Pages - 2] (2064)

14831

M. Pharmacy 2nd Semester Examination

Drug & 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 : All Sections are compulsory.

SECTION - A

Attempt any ONE question.

1. Give the principle and procedure used in the analysis of (any TWO)

   (a) Vitamin A

   (b) Vitamin B_1

   (c) Vitamin C.

2. Write the special detail on analysis of pharmaceutical preparations and dosage form containing ergot alkaloids.

(25×1=25)

SECTION - B

Attempt any THREE questions.

3. Write the details of method validation parameters for GC.

4. Give principle and procedure involved in the use of reagents (any TWO)

   (a) PDACA

   (b) 2, 3, 5-Triphenyltetrazolium salt

   (c) Carr-Price reagent

5. Describe the analytical method for determination of hydroxyl group.

6. Describe the method for determination of amine and methoxyl.

(3×10=30)

SECTION - C

Attempt any SEVEN questions.

7. Write the principle and procedure of Folin Ciocalteu reagent.

8 Give the names of methods and reagents used in the analytical determination of local anaesthetic.

9. Write a short note on analysis of non- metals.

10. Highlight the advantages and concept of analytical method development for drugs and excipients.

11. How glycone part of glycoside is analysed in pharmaceutical dosage form?

12. Write the principle and method of nephelometry used for quantitative analysis of drugs.

13. Explain the principle and method of fluorimetry.

14. Enumerate the methods involved in analysis of diuretics.

15. Explain a role of particle size in dosage form development. Name various methods used in determination of particle size.

(5×7=35)