

[Total No. of Questions - 7] [Total No. of Printed Pages - 2]
(2064)

14824

M. Pharmacy 2nd Semester Examination

Industrial Pharmacy

MP-122

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 : Section A consists of Nine questions, Section B consists of Four questions and Section C has Two questions. Attempt Seven from Section A, Three from Section B and One from Section C.

SECTION - A

1. (a) Explain effect of particle size, moisture content and lubrication on strength of tablets.
- (b) Explain inventory management in industrial pharmacy.
- (c) Discuss layout and design of pharmaceutical industries.
- (d) Explain regulatory guidelines for sustained/controlled release products.
- (e) What is pilot plant scale up? Explain pilot study of capsules in detail.
- (f) Explain finished product specification in pilot plant scale up techniques.
- (g) Write a short note on industrial hazards alongwith their preventive measures.

14824/130

[P.T.O.]

- (h) Explain USFDA requirements for animal drugs.
- (i) Explain role of TQM (Total Quality Management) in production of dosage funds. (7×5=35)

SECTION - B

- 2. Write a note on formulation aspects of sublingual tablets.
- 3. Explain the structure of pharmaceutical industry with special reference to packaging division.
- 4. Explain the role of documentation in production management with suitable examples.
- 5. Explain ISO 9000 series. (10×3=30)

SECTION - C

- 6. Discuss process validation for tablets in detail.
- 7. Define GMP. Explain GMP considerations in production management in detail. (25×1=25)