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M. Pharmacy 1st Semester Examination

Pharmaceutical Formulation Technology

MP-111

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 : Answers all questions (Sections).

SECTION - A (Long Answer)

Answer any one question.

1. Explain the selection criterion for surfactants, viscosity improvers, sweetening agent, preservative, colouring agent, flavouring agent and cosolvent for a liquid preparation giving examples.
2. What are the recent advances in tablet manufacturing equipment? Explain the process and equipment used for wet granulation. **(1×30=30)**

SECTION - B (Short Answer)

Answer any Three questions.

3. What is aseptic processing operation?
4. How does consumer research help in formulation of cosmetic products?
5. How are powders formulated for internal use? How are fines handled?
6. How are soft gelatin capsules evaluated? **(3×10=30)**

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[P.T.O.]

SECTION - C (Short notes)

Answer any six questions.

7. Hydrotropic solubilization.
8. Application of complexation in formulation.
9. Dry Syrups.
10. Stability indicating assays.
11. Form-fill-seal technology.
12. 'Class 10' area for manufacture of parenterals.
13. Metered Dose Inhalers.
14. Drug Degradation Pathways in solid state. **(6×5=30)**