

Total No. of Questions : 6]

SEAT No. :

P1433

[5049]-202

[Total No. of Pages : 2

F. Y. B. Pharmacy
DOSAGE FORM DESIGN
(2013 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two Sections should be written in separate answer books.*
- 3) *Figures to the right indicate full marks.*

SECTION - I

Q1) Classify suppositories with its evaluation. **[10]**

OR

Describe theories of emulsions, and its formulation aspects. **[10]**

Q2) Solve any five from the following: **[15]**

- a) Short note on microemulsions.
- b) Explain deflocculated and flocculated suspensions.
- c) Elaborate mechanism of dissolution.
- d) Note on formulation of efferevescences granules.
- e) Explain incorporation method.
- f) Explain importance and methods of granulation.
- g) Describe Noyes - Whitney equation.

Q3) Write short note on: (Any Two) **[10]**

- a) Note on low energy emulsification technique.
- b) Describe Self emulsifying drug delivery system.
- c) Elaborate Evaluation of suspensions.
- d) Short note on Compounding of Suppositories.

P.T.O.

SECTION - II

Q4) Elaborate suspensions with its Classification and explain its applications in drug delivery systems. **[10]**

OR

Short note on Radiopharmaceuticals with its therapeutic applications. **[10]**

Q5) Solve any five from the following: **[15]**

- a) Discuss various approaches of solubility enhancement.
- b) Note on physical stability of suspension.
- c) Explain importance of displacement value.
- d) Give difference between suppository and pessary.
- e) Elaborate preparation of radiopharmaceuticals.
- f) Explain fusion method for preparation of ointments.
- g) Give detail account on dry suspension.

Q6) Write short note on (Any Two): **[10]**

- a) Jellies as dosage forms.
- b) Suspending agents.
- c) Factors affecting stability of suspension.
- d) Suppository bases.

