Total No. of Questions : 6]

SEAT No. :

P1433

[Total No. of Pages : 2

[5049]-202
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 rediopharmaceuticals.

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.