

**Pramukh Swami Science & H.D. Patel Arts College, Kadi**

Bachelor of Vocation Pharmaceutical Chemistry Semester-V

Internal Examination, October-2017,

**November**

(PC 514) Introduction to Drug Delivery System

Time: 2 hours 2/11/2017 Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark [12]

- 1) What is ideal drug regimen?
- 2) Comment: CDDS is better than conventional dosage form.
- 3) Define: Ideal drug delivery system.
- 4) \_\_\_\_\_ & \_\_\_\_\_ are used for high density system of GRDDS.
- 5) Define Reservoir system.
- 6) Enumerate OROS for solid drug delivery. (Any 3 with full name)
- 7) Write Mechanism of osmotic drug delivery system.
- 8) Define Therapeutic index.
- 9) What is Super Disintegrating Agent?
- 10) \_\_\_\_\_ is rate limiting step in design of controlled drug delivery system. (Release/ Absorption)
- 11) Enlist of name of polymer which are PH dependant.
- 12) Write down components of Osmotic dds.
- 13) Define: Gastro retentive Drug delivery system

Que.2. Answer any five questions. Each question carries 4marks [20]

- 1) Brief on Dissolution controlled CDDS.
- 2) Write About effervescent dosage form.
- 3) Write down Drug delivery system which release drug at zero order. & give its components.
- 4) Write advantage of GRDDS & Classification of it.
- 5) Explain & Draw Plasma drug concentration-time profile.
- 6) Write note on Mouth dissolving Tablet & brief on super disintegrating agents are used in it.

Que.3. Answer any four questions. Each question carries 7 marks [28]

- 1) Enlist factor affecting for designing of CDDS & Brief on Biopharmaceutical parameter.
- 2) Write Erosion Controlled Drug delivery system.
- 3) Note on PULSINCAP & PORT system.
- 4) Explain: CDDS is better than conventional dosage form
- 5) Write note on following osmotic pump.
  - a) CPOP
  - b) Bilyer PPOP
  - c) L-OROS Soft cap