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Roll No

PY-402 (GS)

B.Pharmacy IV Semester

Examination, November 2019

Grading System (GS)

Pharmaceutics-V

(Dosage Form Design)

Time : Three Hours

Maximum Marks : 70

Note: i) Answer any five questions.

ii) All questions carry equal marks.

1. a) Discuss various theories of drug dissolution.
b) Write a note on "Design of various dissolution apparatuses".
2. a) Give a brief account of co-solvents used in pharmaceutical formulation.
b) Discuss the factors affecting dissolution.
3. Explain how shelf life and expiry dates are calculated from dosage form. Write a note on use of overages.
4. What do you mean by "Biodegradable polymers"? Discuss their importance and applications and evaluation methods.

5. Write brief notes on:

- a) Viscosity enhancers
- b) Ointment and suppository bases
- c) Emulsifying agents

6. a) What are the types of dissolution apparatuses as per IP and USP.
b) Write a note on selection of dissolution media.

OR

Discuss various factors affecting rate of dissolution.

7. a) What is the significance of drug-excipient compatibility in Pharmaceutical preformulation.
b) How are polymers evaluated?

8. Discuss various pharmaceutical factors influencing drug formulation. <http://www.rgpvonline.com>

OR

Give importance, merits and demerits of the following:

- i) Preservatives
- ii) Diluents
- iii) Sweetening agents
