

UG Odd Semester (CBCS) Exam., December—2016

PHARMACEUTICAL SCIENCE

(5th Semester)

Course No. : BPH-501 (C)

[**Pharmaceutics—IV (Pharmaceutical
Technology—I)**]Full Marks : 75Pass Marks : 30

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*Answer **five** questions, taking **one** from each Unit

UNIT—I

- Write notes on the role of the following pharmaceutical additives with suitable examples : $7\frac{1}{2} \times 2 = 15$
 - Stabilizers
 - Emulsifying agents
- Discuss the manufacturing and evaluation of a clear liquid. 15

UNIT—II

- Discuss the specific problems in the formulation of suppository. 10
 - Write a note on theobroma oil as suppository base. 5
- Write a note on ideal properties of suppository bases. 5
 - Discuss the manufacturing process of ointments. 10

UNIT—III

- Discuss the role of different excipients used in the formulation of tablet dosage form with suitable examples. 15
- Discuss different evaluation parameters for tablet dosage form. 15

UNIT—IV

- Write a note on the general properties of non-enteric film formers. 3
 - Write notes on the preparation and specific properties of the following non-enteric film formers : $4 \times 3 = 12$
 - Hydroxy propyl methyl cellulose
 - Ethyl cellulose
 - Acrylate polymers

(3)

8. Discuss different film defects of coated tablets and methods adopted to solve them. 15

UNIT—V

9. Discuss the formulation and evaluation of hard gelatin capsules. 15
10. (a) Write a note on the nature of soft gelatin capsule shell. 10
- (b) Write a note on the significance of base adsorption. 5

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