

**QP CODE: 306326**

**Reg.No: .....**

**Third Year Pharm D Degree Supplementary Examinations  
December 2017  
Pharmaceutical Formulations**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Explain various approaches used in formulation of transdermal drug delivery system
2. Explain about formulation and evaluation of suspensions
3. Rotary die process of soft gelatin capsule manufacturing

**Short notes**

**(8x5=40)**

4. Occusert
5. Glass containers for parenterals
6. Displacement value and its significance
7. Buccal tablets
8. Elixirs
9. Defects in tablet manufacturing
10. Osmotic pump
11. Classification of dosage forms based on route of administration

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