

**Code No: PH306****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****Pharm.D III Year Supplementary Examinations, October/November - 2019****PHARMACEUTICAL FORMULATIONS****Time: 3 hours****Max.Marks:70**

**Answer any five questions**  
**All questions carry equal marks**

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- 1.a) Differentiate between wet granulation and dry granulation processes.  
b) Write the quality control tests for the evaluation of uncoated tablets. [7+7]
- 2.a) Describe in detail about manufacturing of filled soft gelatin capsules.  
b) Write the quality control evaluation of filled hard gelatin capsules. [7+7]
- 3.a) Write in detail about the formulation aspects of oral emulsions.  
b) Describe the quality control tests for oral solutions. [7+7]
- 4.a) Write in detail about the excipients/additives in small volume parenteral with examples.  
b) Write about the pyrogens test and powdered glass test. [7+7]
5. Write notes on the following:  
a) Preparation of ointment  
b) Suppositories  
c) Types of jellies. [5+4+5]
- 6.a) Differentiate between sustained release and controlled release concepts with example.  
b) Write the merits and demerits of nasal and ocular drug delivery systems. [7+7]
- 7.a) What are the factors to be considered in the formulation of ointments?  
b) Explain the Formulation aspects of oral suspensions. [7+7]
8. Write notes on the following:  
a) Transdermal drug delivery systems  
b) Stability evaluation of emulsions  
c) Bloom strength. [5+5+4]

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