

**R07**

**Code No: R7502**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD  
III Year B. Pharmacy II Semester Examinations, DEC.-JAN., 2011-2012  
PHARMACEUTICAL TECHNOLOGY-II**

**Time: 3 hours**

**Max. Marks: 80**

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

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1. Write automatic and semi- automatic capsule filling equipments with their merits and demerits and their capsule filling capacities. [16]
2. What is meant by microencapsulation? Write the principle and methods for coacervation phase-separation process with neat diagrams and examples. [16]
3. Enumerate the different types of tablets and explain each type with examples. [16]
4. a) Write the evaluation of coated tablets.  
b) Write the evaluation of parenteral preparations. [8+8]
5. a) Write the factors influencing choice of containers.  
b) Write the different packaging testing employed in pharmaceutical industry. [8+8]
6. Write short note on
  - a) prefilling treatment of containers and closures
  - b) lyophilization
  - c) Base absorption and minimum /gm factors in soft capsules
  - d) Routes of administration of parenterals. [8+8]
7. Write the sugar coating process in detail. [8+8]
8. a) Write the importance of laminar air flow benches and explain their working in detail.  
b) Write the multi-orifice centrifugal separations. [8+8]

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