

**Total number of printed pages – 4**

**B. Pharm**

**PH. 6.1**

**Sixth Semester Examination – 2008**

**PHARMACEUTICS – V**

**(Pharmaceutical Technology - II)**

**Full Marks – 70**

**Time : 3 Hours**

*Answer Question No. 1 which is compulsory  
and any **five** from the rest.*

*The figures in the right-hand margin  
indicate marks.*

1. Answer the following questions :  $2 \times 10$
- (a) If paratonic solution is injected what are the effects in the body ?
  - (b) What are the legal requirements for containers ?



- (c) Differentiate between boilable and non-boilable Catgut.
  - (d) Specify the maximum volume of multidose parenterals and large volume parenterals as per USP.
  - (e) Define bloom strength.
  - (f) What is adhesive tape ?
  - (g) Mention approximate quantity of drug can be filled in various sizes of capsules.
  - (h) What are the objectives of Microencapsulation ?
    - (i) Discuss the possible reasons for weight variation in tablets.
    - (j) Differentiate between crown-thickness and total thickness of tablet.
2. Define microencapsulation. Describe the production of microcapsules by phase separation and co-acervation technique. 1+9

**P.T.O.**

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**Contd.**

3. (a) What is Slugging ? Describe in detail about the production of granules by wet-granulation method and mention its advantages and disadvantages. 1+6
- (b) Write a note on vaginal tablets. 3
4. (a) With suitable examples discuss the additives used in production of hard gelatin capsules. 6
- (b) Elaborately discuss the test for sterility. 4
5. Write notes on : 5×2
- (a) Quality assurance in pharmaceutical industry.
- (b) Packaging components of pharmaceutical products.
6. (a) Elaborate the processing of sugar coating of tablets. 6
- (b) Describe a method for production of soft gelatin capsules. 4

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7. (a) What are the ideal characteristics of surgical dressings ? 3
- (b) Describe the steps involved in production of Catgut. 7
8. (a) Elaborately discuss the vehicles, solutes and additives used in production of parenteral products. 7
- (b) What are the suitable containers used for parenteral preparations ? 3

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