

**Total No. of Pages : 02**

**B.Pharma (2011 to 2016) (Sem.-7)**  
**PHARMACEUTICS-VIII**  
**(Pharmaceutical Technology-II)**  
**Subject Code : BPHM-702**  
**Paper ID : [A2909]**

**Max. Marks : 80**

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students has to attempt any THREE questions.

**Q.1. Answer briefly :**

- a. Name two preservatives used in parenteral formulations.
- b. What is the moisture content for hard gelatin capsule shell?
- c. Define a capsule.
- d. Name two binders used in tablets.
- e. Discuss disintegration tests for enteric coated tablets.
- f. What is water for injection?
- g. Define orange peel effect in tablet coating.
- h. Define sticking and picking in tablets.
- i. Define catguts.
- j. Discuss leak test for ampoules.
- k. Define Isotonicity.
- l. Why preservatives are not added to large parenterals?
- m. Discuss Sham and Lal Test for pyrogens test.

- n. What is explotab and cab-o sil?
- o. Name two directly compressible diluents for the tablets.

### SECTION-B

- Q.2. Distinguish between hard gelatin capsules and soft gelatin capsules. Discuss in detail the various evaluation tests for capsules.
- Q.3. Describe the hydrolytic resistance test of glass containers for parenterals.
- Q.4. Elaborate in detail upon absorbable and non-absorbable sutures.
- Q.5. Describe the method of coacervation for microencapsulation.
- Q.6. Write a note on various types of coating materials.

### SECTION-C

- Q.7. What are control release delivery systems? Elaborate upon its advantages and disadvantages.
- Q.8. Distinguish between a primary and secondary packaging container. List the major factors influencing the selection of these containers.
- Q.9. Explain the evaluation methods of parenteral products.
- Q.10. Discuss the various coating defects, their causes and remedies.