

- Q. 6** (a) What is uniformity of Dosage? What are requirements for uniformity of content of tablets as per IP? **06**
- (b) Compare and contrast: Uniformity of dosage as per IP and USP. **05**
- (c) Diazepam Tablets IP were evaluated for uniformity of content. Contents (mg) obtained are 9.1, 9.4, 11.3, 9.1, 9.6, 10.4, 10.2, 9.3, 9.5 and 10.1. Give your comment on uniformity of content. **05**
- Q. 7** (a) Write a brief note on sampling techniques. How sampling affects results of uniformity of content? **06**
- (b) Discuss techniques to improve powder flow. **05**
- (c) Give your comments on following. **05**
- i) Solubilization capacity of SCFs can be tailor made.
 - ii) SCFs can be converted to gas by decreasing pressure and can be converted to liquids by increasing pressure.
