

Total No. of Questions :7]

[Total No. of Printed Pages :2

Roll No.....

**PY-804 (A)**

**B.Pharmacy VIII Semester**

Examination, December 2016

**Packaging Technology**

(Elective - I)

Time : Three Hours

Maximum Marks : 70

- Note : i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Discuss the properties and type of glass used in pharmaceutical packaging. 7  
b) Which types of metals are used as packaging components? 7
2. a) Write note on plastic containers for pharmaceuticals. 7  
b) Write note on aerosol containers and its applications. 7
3. What are temper resistant and child resistant packages? Explain Blister and strip packages in detail. 14
4. How defects in packaging materials are evaluated? Which types of quality control tests are performed on containers and closures? 14

PY-804(A)

PTO

[2]

5. a) Write the regulatory requirements for labels and labeling of drug products. 7  
b) What are product and patient information literatures? 7
6. a) Explain the Form-Fill-Seal Technology and its applications in brief. 8  
b) Write regulatory guidelines for storages, handling and distribution of packaging materials. 6
7. Write short note on any three : 14
  - a) Rubber stoppers
  - b) Quality testing of formed packages
  - c) Elastomers as packaging material
  - d) Shrink seals and tape seals

\*\*\*\*\*

PY-804(A)