

THIRD YEAR - SEM - 6th
PHARMACEUTICS - III - 2015-16.

First Half 2015-16
 Sem VI
 Pharmaceutics - III

QP Code : 500302

(3 Hours)

[Total Marks : 70

- N.B. : (1) All questions are **compulsory**.
 (2) **Figures** to the **right** indicate **full** marks.
 (3) **Draw** neat labelled **diagrams** wherever necessary.

1. (a) Explain excipients used in the formulation of tablets with suitable examples. 3
 (b) Write a note on buccal and sublingual tablets. 3
 (c) How will you evaluate coated tablets? 3
 (d) Give the storage conditions and it's importance for hard gelatin capsule shells. 3
 (e) Discuss types of Propellants used in the manufacture of Aerosols. 3
2. (a) State the causes for sticking and weight variation in tablets and suggest remedies for the same. 4
 (b) Write a note on Packaging materials for Capsules. 4
 (c) Which are the different types of Aerosol Product Concentrate formulations? Explain any one. 3
3. (a) Explain sugar coating process for tablets. 4
 (b) State advantages and limitations of hard gelatin capsules. 2
 (c) (i) Elaborate on Plastic as a packaging material for Aerosols. 2
 (ii) Write a brief note on Actuator standard valves. 3
4. (a) Discuss the operation of a Rotary tablet compression machine. 4
 (b) Give the formulation aspects for soft gelatin capsules. 4
 (c) Briefly explain the Quality Control tests for Aerosols. 3
5. (a) Elaborate on any two preformulation aspects for tablets. 2
 (b) Discuss modifications of the conventional tablet coating pan. 3
 (c) (i) Describe any one type of hard gelatin Capsule filling Machine. 4
 (ii) Enlist problems encountered in hard gelatin capsule filling. 2
6. (a) (i) Explain in brief the wet granulation process of tablet manufacture. 3
 (ii) Elaborate on any one equipment used in Drying for tablet manufacturing. 2
 (b) Discuss the Aqueous film coating process for tablets. 4
 (c) Give the floor plan for a capsule manufacturing facility. 2