

Q.P. Code : 34979

[Time: Three Hours]

[Marks:70]

Please check whether you have got the right question paper.

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

- Q.1 a What are binders? Give the various types used in tablet manufacture with examples. **3**
 b Explain the layout of a tablet section. **3**
 c Elaborate on the quality control of enteric coated tablets. **3**
 d I. Discuss size and size selection of hard gelatin capsule shells. **2**
 II. How are hard gelatin capsules made tamper proof? **1**
 e What are the components of a pharmaceutical aerosols?. **3**
- Q.2 a Describe the dissolution test I.P. for uncoated tablets. **4**
 b What are the materials used for blister packing of tablets. Explain the process of blister packing. **4**
 c Explain the formulation of solution type aerosols. **3**
- Q.3 a Elaborate on the steps in sugar coating of tablets explaining the significance of each step. **4**
 b What are non-gelatin capsules? **3**
 c Discuss the various types of container materials for aerosols. **4**
- Q.4 a Describe the sequence of events during compression using a rotary tablet machine. **4**
 b Discuss solid fill formulation of soft gelatin capsules. **4**
 c Explain any two quality control tests for aerosols. **3**
- Q.5 a Give the significance of solubility studies in tablet preformulation. **3**
 b Describe the Wurster process for tablet coating. **4**
 c Explain a capsule filling machine based on volumetric type **4**
- Q.6 a With the help of a diagram explain the working of Chilsonator. **4**
 b What are the defects seen in film coating? How are they rectified? **4**
 c Give the quality evaluation tests for hard gelatin capsule shells. **3**