

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)

DIPLOMA IN PHARMACY EXAMINATION – October 2019
First Year

PHARMACEUTICS – I

Time: Three hours

Maximum: 80 marks

Answer **Any EIGHT** questions only

All questions carry equal marks

Draw Neat, Labelled Diagram wherever necessary.

1. Define and classify dosage form. Explain briefly on semi-solid dosage form. (4+6)
2. Explain the various types of glass used as a packaging material and its applications. (8+2)
3. Define sterilization and classify them. Discuss gaseous sterilization with examples. (2+2+6)
4. Describe the process of sugar coating of tablets. Add a note on defects in tablets. (6+4)
5. What are capsules? Explain in detail about the processing of hard gelatin capsules. (2+8)
6. Explain the techniques of 'percolation'. Discuss the process in detail. (5+5)
7. Briefly explain the functioning of fluidized bed dryer with a neat and suitable diagram. (7+3)
8. What are the advantages of size reduction? Explain briefly about the mechanism involved in size reduction with suitable example. (3+7)
9. Describe the construction and working of cyclone separator.
10. Discuss briefly about the preparation of water for injection and its importance.
