

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**DIPLOMA IN PHARMACY EXAMINATION – July 2021  
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. Explain the various dosage forms and their classification with suitable examples. (8+2)
2. Enumerate the advantages and limitations of plastic as a packaging material. Add a note on rubber as a material for closures. (2+3+5)
3. Differentiate between sterilization and disinfection. Explain in detail the dry heat sterilization. (4+6)
4. Describe in detail about the processing of tablets with its evaluation. (6+4)
5. Explain in detail about the method of manufacturing of soft gelatin capsule by rotary die process. Write a note on different sizes of capsules. (8+2)
6. Define Immunity. Explain the preparations of small pox vaccine and its storage conditions. (2+8)
7. What is pharmacopoeia? Briefly discuss about Indian Pharmacopoeia. (2+8)
8. Write the principle, construction and working of fluid energy mill. (3+3+4)
9. What are the different standards for sieves in size separation? Add a note on official standards for powder. (3+7)
10. Explain the principle, construction and working procedure of Fractional distillation apparatus. (3+3+4)

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