

**POST GRADUATE DIPLOMA IN
PHARMACEUTICAL SALES MANAGEMENT
(PGDPSM)**

Term-End Examination

December, 2014

00654

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : Answer any *five* questions. All questions carry equal marks.

1. (a) Classify the additives used in dosage forms giving suitable examples. 5
- (b) What are the types of containers used in packaging of dosage forms ? 5
2. (a) Enumerate the various types of tablets. Describe their advantages. 5
- (b) Explain the different phases of clinical trial. 5
3. (a) What are emulsions ? Discuss their different types. 5
- (b) Briefly discuss the various methods of sterilization of pharmaceutical products. 5

4. (a) What are the various routes of parenteral administration ? Give the disadvantages of this route of drug administration. 5
- (b) Discuss the different types of ointment bases. 5
5. (a) Define aerosols. Discuss their applications in Pharmacy. 5
- (b) Write a note on Radiopharmaceuticals and contrast media. 5
6. (a) Enumerate the different types of implants. 5
- (b) Discuss the advantages and disadvantages of Novel drug delivery system. 5
7. Briefly describe the physico-chemical factors affecting absorption of drugs. 10
8. (a) Discuss the factors affecting biotransformation of drugs. 5
- (b) What are monoclonal antibodies ? 5
-