

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

Term-End Examination

June, 2021

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

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

1. (a) What is an additive in a formulation ? List the generally used additives. 5
- (b) Distinguish between the following : 5
 - (i) Dose and dosage of a drug
 - (ii) Inscription and Subscription
2. What are biphasic liquid dosage forms ? Describe in brief. 10
3. (a) Name the tests used for evaluating the parenteral products and describe any two. 5
- (b) Describe novel drug delivery system. 5

4. Write short notes on any **four** of the following : $4 \times 2 \frac{1}{2} = 10$
- (a) Active Transport
 - (b) Creams
 - (c) Phase I Clinical Trials
 - (d) Filtration and Sterilization
 - (e) Pathways of Biotransformation
 - (f) Cloning Vectors
5. (a) What are functional foods ? Discuss their advantages and disadvantages. 5
- (b) Describe 'MABS'. 5
6. (a) Enlist different types of genito-urinary devices. Discuss any two of them. 5
- (b) Explain the mechanisms for gastro-intestinal absorption of drugs. 5
7. (a) What are antioxidants ? Give some examples. 5
- (b) Explain the Nuremberg Code. 5
8. (a) Describe cosmetics for hair. 5
- (b) Describe the factors affecting biotransformation of drugs. 5
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