

POST GRADUATE DIPLOMA IN  
PHARMACEUTICAL SALES MANAGEMENT  
(PGDPSM)

Term-End Examination

December, 2017

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

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1. (a) What are the materials for construction of containers used for packaging of dosage forms ? Give their advantages and disadvantages. 5
- (b) Write a short note on 'Dosage calculation for children'. 5
2. Write short notes on (Any two) : 5x2=10
- (a) Methods for preparation of ointments
- (b) Implants
- (c) Novel Drug Delivery Systems
- (d) Aerosols
3. (a) List the various methods for sterilization of pharmaceutical products. Elaborate 'Steam Sterilization' in detail. 5
- (b) Explain briefly 'Evaluation of Parenteral Products'. 5

4. (a) Which is the most commonly used solid dosage form of medication ? Describe its various types with suitable examples. 5
- (b) What are the different types of monophasic liquid dosage forms ? Describe syrups in detail. 5
5. (a) What are Biopharmaceuticals ? Discuss briefly with suitable examples. 5
- (b) What is hybridoma technique ? Give its applications. 5
6. (a) Describe the factors affecting Bioavailability. 5
- (b) What are the different phases of clinical trials ? Describe any one in detail. 5
7. (a) List the various mechanisms for gastrointestinal absorption. Explain any one in detail. 5
- (b) Describe pharmaceutical factors affecting absorption of drugs. 5
8. (a) List the cosmetics for the skin. Describe skin colorants in detail. 5
- (b) Discuss the dietary supplements. Describe antioxidants in detail. 5
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