

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

Term-End Examination

June, 2022

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

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

1. Define 'Dosage' and give five different rules used to calculate dosages for children and infants. 10
2. Define 'Tablets' and list different types of tablets. Give advantages and disadvantages of tablets. 10
3. What is Sterilization ? Briefly describe different types of sterilization methods. 10
4. What are Parenterals ? Write the routes, disadvantages and essential qualities of parenteral products. 10

5. (a) Write a short note on Antioxidants. 5
(b) What are Ointments ? Write the four groups of ointment bases. 5
6. Describe briefly any five mechanisms of Gastrointestinal Absorption. 10
7. (a) What is Bioavailability ? Explain its relation with various types of dosage forms. 5
(b) Define Recombinant DNA technology and write the role of cloning vectors. 5
8. (a) Give a detailed classification of cosmetics. 5
(b) Give a detailed note on structure of skin with the help of a diagram. 5
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