

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

Term-End Examination

June, 2025

MVE-003 : PHARMACEUTICS

Time : 2 Hours

Maximum Marks : 50

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

1. What is prescription ? Explain its different parts. Give 'clarks' rule for calculation of dose for children below 2 years.
2. Write short notes on the following implants :

$2\frac{1}{2} \times 4 = 10$

(a) Breast implants

- (b) Feeding tubes
 - (c) Foley catheter
 - (d) Cochlear implants
3. Differentiate between the following : 5+5
- (a) Bioavailability and Bioequivalence
 - (b) Passive and Facilitated Diffusion
4. Write the advantages and disadvantages of any *two* of the following : 5+5
- (a) Tablets
 - (b) Capsules
 - (c) Plastic containers
5. Discuss any *two* commonly used probiotics and give their uses. 10
6. What is a clinical trial ? Why is Nuremberg Code required ? Briefly describe different phases of clinical trial. 2+2+6

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7. Write short notes on the following : $2\frac{1}{2}+4=10$

- (a) Nutraceuticals
- (b) Steam sterilization
- (c) Cloning vectors
- (d) Hair preparations

8. What are Parenterals ? Enlist various routes of their administration and give their essential qualities. 2+4+4

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