

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

**Term-End Examination**

**June, 2025**

**MVE-003 : PHARMACEUTICS**

*Time : 2 Hours*

*Maximum Marks : 50*

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

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1. What is prescription ? Explain its different parts. Give 'clarks' rule for calculation of dose for children below 2 years. 2+5+3

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

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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