

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

Term-End Examination

December, 2022

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

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

1. (a) Name four cosmetics for hair.
(b) Calculate the dose of drug for a child of 5 years if adult dose is 100 mg.
(c) Illustrate structure of skin with diagrams. $2+3+5=10$

2. Write short notes on any **two** of the following : $2 \times 5 = 10$
 - (a) Capsules
 - (b) Syrups
 - (c) Plastic Containers

3. (a) What are Aerosols ? Describe their application in Pharmacy.
(b) Differentiate between dry heat and filtration sterilisation. $2 \times 5 = 10$

4. Explain the uses of the following : $4 \times 2 \frac{1}{2} = 10$
- (a) Catheter
 - (b) Feeding tube
 - (c) Cardiac pacemaker
 - (d) Mouthwash and gargles
5. What are clinical trials ? Briefly describe its different phases. 10
6. (a) Describe the pharmaceutical factors affecting absorption of drugs.
- (b) Illustrate mechanism of action of probiotics. 2×5=10
7. (a) Explain briefly bioavailability and absorption of drugs.
- (b) What are monoclonal antibodies ? Give examples. 2×5=10
8. What are the advantages and disadvantages of
- (a) Novel drug delivery systems,
 - (b) Liquid dosage forms ? 2×5=10
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