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MVE-003

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

Term-End Examination

June, 2023

MVE-003 : PHARMACEUTICS

Time : 2 Hours

Maximum Marks : 50

Note : (i) Answer any **five** questions.

(ii) All questions carry equal marks.

1. (a) Give full form of the following : 4
- (i) WHO
- (ii) PUFA
- (iii) ADME
- (iv) GCP
- (b) Name *two* anti-oxidants. 2

P. T. O.

- (c) Write dose calculation formula for the children between 2 to 12 years. 2
- (d) Name *two* probiotic organisms. 2
2. Differentiate between any *two* of the following :
5×2=10
- (a) Phase-I and Phase-II biotransformation
- (b) Passive and Facilitated diffusion
- (c) Phase-I and Phase-III clinical trials
3. (a) Classify dosage forms on the basis of different administration routes. 5
- (b) Describe different types of ophthalmic products. 5
4. (a) Describe recombinant DNA technology. 5
- (b) Explain bioavailability and bioequivalence. 5
5. (a) Give a brief account of dental products. 5
- (b) Describe the uses of radiopharmaceuticals. 5

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6. Give advantages and disadvantages of the following : 5+5
- (a) Tablets
 - (b) Glass container
7. (a) Define functional foods. Discuss their advantages. 5
- (b) Explain “Drug Clearance”. Give formula. 5
8. (a) List different types of genitourinary devices. Describe any *two* of them. 5
- (b) How is steam sterilization done ? Explain the mechanism and its usage. 5