

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

Term-End Examination, 2019

MVE-003 : PHARMACEUTICS

Time : Two Hours]

[Maximum Marks : 50

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

1. (a) Give any five advantages of glass containers used in pharmaceutical packaging. [5]
- (b) Explain **any two** of the following terms : [5]
 - (i) 'Passive Diffusion'
 - (ii) Active Transport
 - (iii) 'Endocytosis'
2. (a) Briefly explain the five types of Genitourinary devices. [5]
- (b) Briefly describe any five hair cosmetics. [5]

3. Write short notes on **any four** : [2½x4=10]
- (a) Steam Sterilization
 - (b) Parenterals
 - (c) Soft Gelatin Capsules
 - (d) Cardiac Devices
 - (e) Informed Consent
 - (f) Emulsions
4. Briefly describe the physico-chemical properties that influence the absorption and bioavailability of oral drug products. [10]
5. (a) Give essential properties and uses of Ophthalmic products. [5]
- (b) What is clinical trial? Practices (GCP) name the phases of clinical trial and explain any one of the phases. [5]
6. (a) Define aerosol drugs. How are they useful in pharmacy? [5]

- (b) Define 'hybridoma'. What are the advantages of hybridoma technique ? What are Radiopharmaceuticals ? [5]
7. (a) Give the types of uses of 'Radiopharmaceuticals' with one example of each type. [5]
- (b) Explain 'Nutraceuticals'. Give the ingredients of nutraceuticals. [5]
8. Write short notes on **any four** of the following :
[2½x4=10]
- (a) Post Marketing Surveillance
- (b) Jellies
- (c) Eye Implants
- (d) Probiotics
- (e) Sunscreen preparations
- (f) Mouthwash

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