

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

Term-End Examination

June, 2016

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

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| 1. | (a) | Define Bioavailability. Discuss factors affecting bioavailability. | 6 |
| | (b) | What are Recombinant DNA Technology products ? | 4 |
| 2. | | Discuss the physico-chemical factors affecting the absorption of drugs in detail. | 10 |
| 3. | | Give a detailed description of different types of Medical Devices. | 10 |
| 4. | (a) | Discuss Biphasic Liquid dosage forms giving emphasis on their packaging. | 5 |
| | (b) | Compare Glass and Plastic as a material of construction for containers. | 5 |

5. (a) Discuss the mechanisms for Gastro-Intestinal absorption. 5
(b) What are the drug release patterns of controlled delivery dosage forms? 5
6. (a) What are the various methods of sterilization of pharmaceutical products? Give examples. 5
(b) Discuss formulation of parenteral products. 5
7. (a) Discuss the Cosmetics for the skin. 5
(b) What are the various tooth and dental products? 5
8. (a) Define aerosols. Discuss their preparation. 5
(b) What are Radiopharmaceuticals and Contrast media? 5
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