

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

Term-End Examination

December, 2015

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

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

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| 1. | (a) | Discuss materials for construction of containers. | 5 |
| | (b) | Briefly describe tablets giving emphasis on their formulation aspects. | 5 |
| 2. | (a) | What is Posology ? How do you calculate the dosage for children by Young's Rule ? | 5 |
| | (b) | Give a brief description of commonly used solid dosage forms. | 5 |
| 3. | (a) | Describe various routes of parenteral administration. Enlist disadvantages of this route. | 5 |
| | (b) | Discuss the types of containers used in packaging of dosage forms. | 5 |

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| 4. | (a) | What are the different categories of Novel Drug Delivery Systems ? Discuss each one of them. | 5 |
| | (b) | Discuss the principle of steam-sterilization. Give its conditions and usage. | 5 |
| 5. | | Discuss the different types of Implants. | 10 |
| 6. | (a) | What are the biological factors affecting absorption of drugs ? | 5 |
| | (b) | What are monoclonal antibodies. Discuss hybridoma in short ? | 5 |
| 7. | (a) | Explain the different phases of clinical trials. | 5 |
| | (b) | What are nail cosmetics ? Discuss in detail. | 5 |
| 8. | (a) | What are probiotics ? Why are they needed ? | 5 |
| | (b) | Discuss the commonly used probiotic strains. | 5 |
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