

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

Term-End Examination

June, 2016

**MVE-001 : INTRODUCTION TO ANATOMY,
PHYSIOLOGY AND PHARMACEUTICAL
CHEMISTRY**

Time : 3 hours

Maximum Marks : 75

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

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| 1. | (a) | Describe the three types of muscle tissues. | 9 |
| | (b) | Explain the functions of nervous system. | 6 |
| 2. | (a) | Describe the physiology of mensuration. | 6 |
| | (b) | Explain any three types of cellular adaptations due to cell injury giving examples. | 9 |
| 3. | (a) | List the disorders of urinary system and describe any two. | 8 |
| | (b) | Differentiate between Leucopenia and Leukemia. | 7 |
| 4. | (a) | Define topical agents. Describe the various classes of topical agents. | 9 |

- (b) Define functional groups of organic compounds. Give the functional groups of any four of the following classes : 6
- (i) Alcohol
 - (ii) Phenol
 - (iii) Aldehyde
 - (iv) Carboxylic acid
 - (v) Ether
 - (vi) Halide
5. (a) Explain the concept of Structure Activity Relationship (SAR) and discuss its importance. 7
- (b) Briefly describe any four methods of isolation and purification of constituents from the crude drug. 8
6. (a) What is meant by Drug Interaction? Giving examples briefly describe any two types of drug interactions. 8
- (b) Explain the concept of Pharmacopoeia and write the main objectives of Indian Pharmacopoeia Commission. 7
7. (a) Define Good Clinical Practice (GCP). Briefly explain any three main principles of GCP. 8
- (b) Draw a labelled diagram of a section of an artery showing its layers. 7
8. Write notes on **any three** of the following : 3x5=15
- (a) Cell membrane
 - (b) External and internal respiration
 - (c) Cathartics
 - (d) Adulteration of drug
 - (e) Quality control test of capsules
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