

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

**Term-End Examination**

**December, 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 composition of blood.   | 7 |
|    | (b) | What are the different types of neurons ?<br>Briefly explain physiological properties of<br>the nerve. | 8 |
| 2. | (a) | Give the location of Pancreas and describe<br>the functions of pancreas.                               | 6 |
|    | (b) | Explain the process of acute inflammation.   | 9 |
| 3. | (a) | Discuss any one disorder of each of<br>digestive system, respiratory system and<br>nervous system.     | 9 |
|    | (b) | Compare between innate and acquired<br>immunity.   | 6 |

4. (a) List major physiological ions and write functions of any four in the human body. 7
- (b) Describe geometrical or optical isomerism, and give two examples. 8
5. (a) How are synthetic drugs advantageous over drugs from natural products ? 5
- (b) Give the classification of phytoconstituents of therapeutic importance giving one example of each class. 10
6. (a) What is Drug Evaluation ? Describe physical evaluation of drugs. 8
- (b) What is meant by quality control of pharmaceuticals ? Describe any two quality control tests for tablets. 7
7. (a) Discuss any three features for good manufacturing practices. 9
- (b) Write short notes **any two** of the following : 6
- (i) Blood pressure
- (ii) Buffers
- (iii) Herbal medicines (citing two examples.)

8. (a) What is thalidomide tragedy ? Describe in brief. 9
- (b) Write the structure of **any three** of the following compounds : 6
- (i) Chlorobenzene
  - (ii) Toluene
  - (iii) Naphthalene
  - (iv) Butyl benzene
  - (v) Ortho-bromophenol
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