

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

00692

Term-End Examination

June, 2014

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

Time : 3 hours

Maximum Marks : 75

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

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1. (a) Write the recommendations for carrying out clinical trials in India. 5
 - (b) Differentiate between Artery and Vein and draw a well labelled diagram of a section of artery. 5
 - (c) Describe in brief Adverse-Drug reaction. 5

 2. (a) Describe any five quality control tests for tablets. 5
 - (b) Write any five features of Indian Pharmacopoeia Monograph format. 5
 - (c) Differentiate between spermatogenesis and oogenesis. Describe any two disorders of male sex organs. 5

3. (a) What is Myopia ? Explain with the help of a diagram how it can be corrected. 5
- (b) Discuss various immunological formulations. 5
- (c) What are lead compounds ? What is their significance in the preparation of synthetic drugs ? 5
4. (a) Give a well labelled diagram of neuron. Describe the physiological properties of the nerve cell. 5
- (b) What is SAR ? Give its importance in pharmaceutical chemistry. 5
- (c) Describe the composition of blood. 5
5. (a) Discuss the role of buffers in pharmacy. 5
- (b) What do you understand by vector borne diseases ? Describe any two vector borne diseases. 5
- (c) Give the functions and powers of GLP Inspector. 5
6. (a) Describe various methods used for extraction of crude drugs. 5
- (b) Discuss the functions of various glands associated with the stomach for digestion. 5
- (c) What are topical agents ? Describe any two classes of topical agents. 5

7. (a) Describe cell membrane with the help of Fluid Mosaic Model. 5
- (b) What is geometrical isomerism ? Give an example. 5
- (c) Define : 5
- (i) Tidal volume
 - (ii) Vital capacity
 - (iii) Residual volume
 - (iv) Total lung capacity
 - (v) Inspiratory reserve volume

8. Write short notes on any *three* : $5 \times 3 = 15$

- (a) Circulatory circuits of the heart
- (b) Role of free radicals in cell injury
- (c) Optical isomerism
- (d) Tannins and Phenolic compounds as phytoconstituents
- (e) Neoplasms