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

Term-End Examination

December, 2011

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

Time : 3 hours

Maximum Marks : 75

Note : Attempt any five questions.

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1. (a) Discuss the functions of Liver. 5
(b) Give functions of blood. 5
(c) What are topical agents ? Name the different categories of these agents and describe any one. 5

 2. (a) Draw a well labelled diagram of the bronchial tree of respiratory tract. 5
(b) Briefly explain any five disorders of Respiratory system. 5
(c) Define a functional group ? Write the functional groups of any three of the following classes of organic compounds 5
(i) Alcohol (ii) Phenol
(iii) Aldehyde (iv) Carboxylic acid
(v) Amine

3. (a) Discuss water borne diseases caused by single celled organisms. 5
- (b) Draw a well labelled diagram of the section of a human ovary showing various stages of development of eggs and ovulation. 5
- (c) What are the two important methods of extracting phytopharmaceuticals? Describe any two techniques for their isolation and purification. 5
4. Write short notes on *any three* : 5x3=15
- (a) Thyroid Gland and its hormones
- (b) Errors of Refraction of Eye
- (c) STDs
- (d) Cardiac Cycle
- (e) Absorption of food from the GIT
5. Write short notes on *any three* : 5x3=15
- (a) Electrolyte combination therapy
- (b) Physical drug evaluation
- (c) Thalidomide tragedy
- (d) Adulteration of drugs
- (e) Geometrical Isomerism
6. (a) What are enantiomers ? Explain with the help of an example. 5
- (b) What are buffers ? Explain their three characteristics. 5
- (c) What are tissues ? Discuss nervous tissue in detail. 5

7. (a) What are different types of drug interactions ? Describe any one in brief. 5
- (b) Define good lab practices. Give any four functions of the GLP authority. 5
- (c) What are synovial joints ? Describe any four. 5
8. (a) What is meant by SAR ? Discuss its importance in pharmacy. 7
- (b) Define pharmacognacy and explain its scope. 8
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