

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

**00954 Term-End Examination
June, 2019**

**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.

1. (a) Write any seven principles of Good Clinical Practices (GCP). 7
- (b) Differentiate between any four disorders of the cardiovascular system. 8

2. (a) Give the chemical tests for the detection of any **four** of the following : 8
 - (i) Carbohydrates
 - (ii) Oils and Fats
 - (iii) Saponins
 - (iv) Phenolic Compounds
 - (v) Volatile Oils
 - (vi) Gums

- (b) What are antacids ? Write any five characteristics required for an ideal antacid. 7
3. (a) Draw a well-labelled diagram of a human heart. 7
- (b) Discuss any two water borne diseases caused by single cell organisms. 8
4. (a) List the three types of drug interactions and describe any one. 7
- (b) Differentiate between the following : 8
- (i) Cataract and Glaucoma
- (ii) Colour blindness and Night blindness
5. (a) Describe the quality control tests for capsules. 7
- (b) Give the functional groups of any *four* of the following : 8
- (i) Alcohol
- (ii) Aldehyde
- (iii) Halide
- (iv) Ether
- (v) Carboxylic acid
6. (a) Describe the composition of blood. 8
- (b) With the help of suitable examples, discuss the Arrhenius concept of acids and bases. 7

7. (a) Discuss geometrical isomerism with suitable examples. 7
- (b) Discuss any two disorders associated with male sex organs. 8
8. Write short notes on any *three* of the following: $3 \times 5 = 15$
- (a) Passive Immunization
 - (b) Cell Injury
 - (c) Powers and Functions of GLP Authority
 - (d) Cell Membrane
 - (e) Dengue
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