

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

Term-End Examination

June, 2012

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : *Answer any five questions.*

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1. (a) What is prescription ? Write the parts of prescription. 5
 - (b) What are different classes of additives used in dosage form ? Discuss any two of them. 5
 2. (a) What are liquid dosage form ? Write the advantages of liquid dosage forms. 5
 - (b) What is sterilization ? Enlist different methods of sterilization. 2
 - (c) What are disadvantages of parenteral route of drug administration ? 3
 3. (a) What are Aerosols ? Write the merits of Aerosol drug delivery. 5
 - (b) What is NDDS ? Write the advantages and disadvantages of NDDS. 5

4. (a) What is absorption ? Write the mechanism of gastro-intestinal absorption. 7
(b) What are essential qualities of parenteral products ? 3
5. Write notes on *any four* : 4x2.5=10
(a) Biopharmaceuticals
(b) Recombinant DNA Technology
(c) Clinical Trials
(d) Monoclonal Antibodies
(e) GCP
(f) Vehicles used in parenteral products
6. (a) What are cosmetics ? Classify cosmetics for skin . 5
(b) What are Biphasic liquid dosage forms. Write note on emulsion. 5
7. (a) What are neutraceuticals ? Write the 10 ingredients of neutraceuticals. 5
(b) Why buffering agents and antimicrobial preservatives are added to parenteral products ? 5
8. Write notes on *any four* : 4x2.5=10
(a) Radio contrast medium
(b) Eye Implant
(c) Hair colourants
(d) Cardiac Pacemaker
(e) Need for probiotics
(f) Soft Gelatin Capsules