

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

Term-End Examination

June, 2014

MVE-002 : PHARMACOLOGY AND TOXICOLOGY

Time : 3 hours

Maximum Marks : 75

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

1. (a) Enumerate the Route of Administration.
What are the advantages and disadvantages of Parenteral Route of drug administration ? 8
- (b) What are the different dosage forms used for oral administration ? 7
2. (a) Discuss combined effect of drugs. 8
- (b) Discuss factors affecting drug metabolism. 7
3. (a) Classify Anticholinergic agents. Discuss the uses of Atropine. 7
- (b) Describe the drug used in hypertension. 8

4. Write short notes on any *three* : 5×3=15
- (a) Heparin
 - (b) Antidiuretics
 - (c) Antihistamic agents
 - (d) Antitussives
 - (e) Barbiturates
5. (a) Classify the drug used in the treatment of asthma. 7
- (b) Classify types of ulcer. Discuss in brief the drugs used in the treatment of ulcer. 8
6. (a) Discuss various types of penicillins used as antibacterial agents. 8
- (b) Enumerate various antihelmintic agents. 7
7. (a) Discuss the drugs used as pre-anaesthetic medication. 7
- (b) Classify the drugs used in Diabetes mellitus. 8
8. Write short notes on any *three* : 5×3=15
- (a) Anabolic steroids
 - (b) Treatment of organophosphate poisoning
 - (c) Antidotes
 - (d) Immunosuppressants
 - (e) Trace elements
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**POST GRADUATE DIPLOMA IN
PHARMACEUTICAL SALES MANAGEMENT
(PGDPSM)**

Term-End Examination

June, 2014

00873

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : Answer any five questions.

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1. (a) What do you mean by prescription ? Enlist various parts of prescription. 6
 - (b) Name the additives generally used in dosage form in formulations. Discuss any one in detail. 4
 2. Write short notes on any *two* : 5+5
 - (a) Ointments
 - (b) Sterility test for evaluation of parenteral products
 - (c) Packaging of eye drops
 - (d) Aerosols
 3. (a) What are Implants ? Describe orthopedic implants in detail. 5
 - (b) Give the differences between passive and active diffusion. 5

4. Define bioavailability and describe factors affecting bioavailability. 10
5. (a) Name the different types of mAbs. What are the advantages of hybridoma technique? 5
- (b) What are dental products? Discuss the composition of tooth-paste. 5
6. (a) Give a brief account on Nutraceuticals market in India. 5
- (b) What are antioxidants? Discuss in detail. 5
7. (a) Describe the Prevention of Food Adulteration Act, 1954. 5
- (b) Describe the advantages and disadvantages of functional foods. 5
8. (a) Define Probiotics. Discuss the need of probiotics. 5
- (b) Write a brief note on Bifidobacterium and Lactobacillus. 5
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