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POST GRADUATE DIPLOMA IN
PHARMACEUTICAL SALES MANAGEMENT
(PGDPSM)

Term-End Examination

June, 2018

MVE-003 : PHARMACEUTICS

Time : 2 hours

Maximum Marks : 50

Note : (i) Answer any five questions.
(ii) All questions carry equal marks.

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1. (a) What is Posology ? How do you calculate doses for children and adults ? Give the formulae. 5
(b) Define Probiotics. Discuss their mechanism of action. 5
 2. (a) What are Nutraceuticals ? Discuss their ingredients. 5
(b) Classify cosmetics. Write use of cleansing creams. 5
 3. (a) Discuss the formulation of Parenteral products. 5
(b) Briefly describe the various types of ophthalmic products. 5
 4. Write short notes on : (Any 02) 5x2=10
(a) Pathways of Biotransformation and factors affecting them
(b) Functional foods
(c) Monoclonal antibodies
(d) Medical Devices

5. (a) Enlist various biological/physiological factor affecting absorption of drugs. Discuss any two in detail. 5
- (b) What are the various types of implants ? Describe briefly. 5
6. (a) What are Bioequivalence Studies ? Discuss its importance. 5
- (b) Define the following : (Any five) 1x5=5
- (i) Bioavailability
 - (ii) Clinical trials
 - (iii) Nuremberg Code
 - (iv) Investigational Drug
 - (v) Informed consent
 - (vi) Post marketing surveillance
 - (vii) Excipient
7. (a) Elaborate the Recombinant DNA Technology in detail. 5
- (b) Discuss the various monophasic liquid dosage forms giving suitable examples. 5
8. (a) Classify the ointment bases and discuss the various factors affecting selection of ointment base. 5
- (b) Write a short note on Radio Pharmaceuticals and Contrast Media. 5
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