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

Term-End Examination

June, 2017

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) Briefly explain Single and Multi dose containers. Write any three advantages and three disadvantages of plastic containers. 5
 - (b) List any five phytochemicals and give their health benefits. 5

 2. What do you understand by 'Sterilization' ? What are the various methods used for sterilization of pharmaceutical products ? Explain each of them briefly. 10

 3. (a) Give the uses of Radio pharmaceuticals for : 5
 - (i) Diagnostic purposes (any three)
 - (ii) Therapeutic purposes (any two)
 - (b) Explain the pharmaceutical factors affecting absorption of drugs. 5

4. (a) Define aerosols. Discuss their applications in Pharmacy. 5
 (b) Describe briefly monoclonal antibodies. 5
5. (a) What do you understand by the term 'Bioavailability' ? Explain giving any two examples of dosage forms. 5
 (b) Write a brief note on 'Antioxidants' giving examples. 5
6. Briefly explain the following in 3-4 lines (any four) : $2\frac{1}{2} \times 4 = 10$
 (a) Intrathecal Administration route
 (b) Intra-peritoneal route
 (c) Open Trial
 (d) Elixirs
 (e) Lactobacillus
7. (a) Explain 'Endocytosis' and 'First Pass Effect'. 5
 (b) What are probiotics ? Give their therapeutic uses. 5
8. (a) What are the uses of the following (any five) ? 5
 (i) Foley Catheter
 (ii) Pessaries
 (iii) Cochlear Implants
 (iv) Sunscreen preparations
 (v) Dentrifrice
 (vi) After Shave Lotion
 (b) List the different types of Ointment bases and explain any one. 5
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