

Paper Id:

150219

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B. PHARM.
(SEM VIII) THEORY EXAMINATION 2018-19
Pharmaceutics-XII (Food & Nutraceuticals)

*Time: 3 Hours**Total Marks: 70***Note:** Attempt all Sections. If you require any missing data, choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 7 = 70**

- a) Define progressive freezing.
- b) How is drying used to preserve food?
- c) Name two antioxidants.
- d) Write down the significance of vitamin D.
- e) Define nutritional value.
- f) What is FDA?
- g) What is fortified food?

SECTION B**2. Attempt any three of the following: 7 x 3 = 21**

- a) Explain in detail about microwave heating method.
- b) Enumerate the steps involved in the food preservation with suitable example.
- c) Write down the factors influencing the changes occurs during food storage.
- d) Explain the properties of food packaging materials on the basics of primary, secondary and tertiary.
- e) Discuss in detail about Food laws and its importance.

SECTION C**3. Attempt any one part of the following: 7 x 1 = 7**

- a) Briefly describe to functional foods and phyto-nutraceuticals.
- b) Classify nutraceuticals and describe rational of use of nutraceuticals.

4. Attempt any one part of the following: 7 x 1 = 7

- a) Explain the factors causing dehydration.
- b) Describe the method of thermally processed food.

5. Attempt any one part of the following: 7 x 1 = 7

- a) Describe the Indian Market and label claim for nutraceuticals.
- b) Write a note on herbal product for dietary supplements.

6. Attempt any one part of the following: 7 x 1 = 7

- a) What do you mean by food stuff? Explain in detail.
- b) Discuss in detail about the process of food technology.

7. Attempt any one part of the following: 7 x 1 = 7

- a) Write note on functional beverages and probiotics.
- b) Describe the testing of nutraceuticals.