Printed Pages:1 **Sub Code:BOP-484**

Paper Id: 150219 **Roll No.** | | | | | | | | | | |

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

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-neutraceuticals.
b) Classify neutraceticals and describe rational of use of neutraceuticals.

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 neutraceuticals.
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 neutraceuticals.

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