**SHAMBHUNATH INSTITUTE OF PHARMACY**

**IInd Sessional Examination 2016-2017**

**4th Year 8th Semester**

**Food and Neutraceutical**

**Time: - 3:00 hr. Max Mark: 100**

**Paper Code: BOP-484**

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**ROLL NO-**

**Section A**

**Attempt all 2×10=20**

1. Differentiate between probiotic and prebiotic.
2. Define agmark.
3. FSS act came in the year………...
4. What is FSSAI
5. What is calorific value?
6. What is fortification?
7. What is BIS.
8. What is ice crystal damage?
9. Give one example of probiotic.
10. What is prebiotic?
11. What is nutritional value?
12. Differentiate between probiotic and prebiotic.

**Section B**

**Attempt any 5- 10×5=50**

1. Write note on dietary supplements.
2. Define freezing. Write down the changes that effect food on freezing.
3. Write note on packaging materials of food products.
4. Write note on drying methods.
5. Write note on functional foods.
6. Explain the effect of dehydration on food products.
7. Write note on presence and effect of heavy metals on food products.
8. Write note on fortified foods.
9. Discuss classification of neutraceutical with examples.
10. Write note on dietary supplements.

**Section C**

**Attempt any 2- 15×2=30**

1. Explain supercritical fluid extraction method.
2. Explain various preservation methods to preserve foods.
3. Define microbial load. Discuss methods of determining microbial load.
4. Discuss in detail classification of Phytoneutraceuticals