



# International Islamic University Chittagong

## Department of Pharmacy

Program: **B. Pharm (Hons)**

Examination: **Final**

Session: **Autumn 2021**

Course Code: **Pharm-4801**

Course Title: **Food Technology, Nutraceuticals and Herbal Medicines**

Time: **2 hours 30 minutes**

Full Marks: **50**

*(Answer of separate groups should be given in separate script. Figures in right margin indicate marks)*

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**Group A**      *(Answer any two questions from the followings)*      **Marks: 20**

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1. a) What are prebiotics and probiotics? 2  
b) Create your idea about the development of new drugs from herbal sources. 5  
c) Define food pyramid. Write down the importance of food pyramid. 3
  
2. a) What are pesticides? Enumerate the health hazards of pesticides. 4  
b) "Food safety is essential for public health"-Illustrate it. 4  
c) Mention the importance of yogurt. 2
  
3. a) Explain that the food security is a larger canvas to maintain healthy and productive lives. 3  
b) Illustrate your thought about the new foodborne diseases that can become the prevalent challenges for food safety. 3  
c) Write short notes on i) AGP and ii) HGP 4

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**Group B**      *(Answer any three questions from the followings)*      **Marks: 30**

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4. a) What is food spoilage? Write down the spoilage of food on the basis of chemical and enzymatic deterioration. 4  
b) Enumerate the principles of food preservation. 4  
c) Compare and contrast between pasteurization and sterilization. 2
  
5. a) Point out the potential hazards of canning. 4  
b) "Cryogenic freezing is the most important technique for the preservation of food"-Appraise your thought. 4  
c) List out the organisms for food-borne illness. 2
  
6. a) What is HACCP? Describe the principles of HACCP. 5  
b) What is encapsulation? Why is encapsulation important in food industry? 5
  
7. Write short notes on: 2.5x4
  - i) Perishable food
  - ii) Co-acervation
  - iii) GMPs
  - iv) Fluidized-bed coating