

Total number of printed pages-3\*

53 (FPT 816) NAFF

2021

**SPECIALITY FOODS :  
NUTRACEUTICALS AND FUNCTIONAL  
FOODS**

Paper : FPT 816

Full Marks : 100

Time : Three hours

***The figures in the margin indicate  
full marks for the questions.***

***Answer any five questions out of seven.***

1. (a) Discuss about the different animal sources for the production of functional foods. 10
- (b) Discuss about the functional food requirements for infants and geriatric people. 10
2. (a) Define metabolic syndrome and explain the risk factors associated with it. 8

*Contd.*

- (b) Discuss about *any four* diseases associated with pancreas and suggest the functional foods for the patients. 12
3. (a) Write about *any three* musculoskeletal disorders and give suitable functional foods for improving the health of MSD patients. 10
- (b) What is meant by food allergy and mention its types? 6
- (c) Define anaphylaxis and mention its signs and symptoms. 4
4. (a) Write about salicylate sensitivity. 8
- (b) Define Food fortification and write about the different types of food fortification practices. 12
5. (a) Mention the symptoms of nutritional deficiencies. 4
- (b) Write about the health benefits of *any four* spices. 8
- (c) Discuss about the health promoting effects of honey. 8

- 
6. (a) Explain the mode of action of PUFA in our body. 8
- (b) Write about the role of choline in improving the health status of consumers by stating proper working mechanism in human body. 12
7. (a) Define probiotics and prebiotics and give suitable examples. 6
- (b) Elaborate the criteria for prebiotic selection. 6
- (c) Explain the health effect of prebiotics on human health. 8

