

2023

Specialty Foods: Nutraceuticals & Functional Foods

Full Marks: 100

Time: Three hours

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

Answer any five questions.

1.	a)	Define the terms- Functional foods and Nutraceuticals. Give few examples for each type of specialty foods.	6
	b)	Explain about any two infant food formulas.	4
	c)	Write about the different plant sources for functional foods.	10
2	a)	Write about the nutritional issues of adolescent people.	6
	b)	Give short notes on nutritional supplements which are beneficial during pregnancy.	6
	c)	Explain about any two metabolic disorders and mention some functional foods that can improve the health conditions.	8
3	a)	Write the functions of pancreas. Explain about any two pancreatic disorders and give the nutritional requirements of pancreatic patients.	2+6+2
	b)	Write short notes on the occurrence, symptoms, and signs of Typhoid fever. Mention the functional foods for the patients with typhoid fever.	10
4	a)	Give the name of foods which can cause the allergic issues. Write the symptoms of food allergy.	4+4
	b)	Provide the details about any one type of sensitivity.	6
	c)	Mention the health benefits of honey.	6
5	a)	Explain about the fortification of foods with iron. Mention the safety issues also.	10
	b)	Give the definitions for Food fortification & Dietary supplement.	2+2
	c)	Write short notes on any one food supplements used to prevent the ageing issues.	6
6	a)	Write about the sources, health benefits and manufacturing/ extraction process of isoflavonoids.	12
	b)	Give short notes on the safety and labelling issues related to nutraceuticals.	8

7	a)	Briefly detail the different types of prebiotics.	10
	b)	Explain the mechanism of action of probiotics with the proper diagram. Highlight few clinical applications of probiotics.	7+3

