

Total number of printed pages: Programme (UG)/6th /UFET614

2023

FOOD TOXICOLOGY

Full Marks : 100

Time : Three hours

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

Answer any five questions.

1.	a)	Write target specific methods for separation, concentration & detection of microbial foodborne pathogens specifically based on bacteriophages and biotin-streptavidin interaction.	20
2.	a)	Briefly write about toxic phytochemicals specially caffeine, Lectin, goitrin, phytochemical in fava beans.	20
3.	c)	Write species name, source, associated toxicity & symptoms for pathogenic <i>Vibrio</i> species.	20
4.		Write target specific methods for detection of microbial foodborne pathogens specifically based on nucleic acid & peptide aptamers and carbohydrate ligands.	20
5.		Briefly write species name, source & route of transmission, associated toxicity & symptoms for the following pathogen : <i>Listeria monocytogens</i> .	20
6.		Discuss species name, source & route of transmission, associated toxicity & symptoms for the pathogen, <i>Salmonella sp.</i> .	20
7.		Briefly write about toxins found in sea food and Mycotoxin in fungi.	10+10