

2023
5th Sem,

B.Tech Food Technology
Sessional Examination-II, 24-11-2023
Paper Title: Techniques in Food Analysis
Paper Code: BFTG – 508

Time: 1 Hour

Max Marks 30

Attempt all questions. Marks are mentioned against each question.

Section A

Q.1 Answer the following

(2 x 5)

- (i) What is Chromatography?
- (ii) What is ELISA?
- (iii) What is a visualizing agent? Give an example.
- (iv) _____ and _____ are elution techniques.
- (v) Enlist any four applications of chromatography.

Section B

Q.2 Answer any two of the following

(5 x 2)

- (i) According to the force of separation, how can we classify chromatography?
- (ii) Briefly discuss electronic nose/electronic tongue and its applications.
- (iii) What is mass spectrometry? Explain its principle.

Section C

Q.3 Answer any one of the following

(10 x 1)

- (i) Biosensors are becoming crucial for food analysis. Do you agree with the above statement? If yes explain how? Also, explain the different types of biosensors used in food analysis.
- (ii) Enlist the different types of columns used in gas chromatography. Describe any two detectors used in GC analysis.

Q.1	CO	Q.2	CO	Q.3	CO
(i)	CO2	(i)	CO2	(i)	CO4
(ii)	CO4	(ii)	CO4	(ii)	CO2
(iii)	CO2	(iii)	CO4		
(iv)	CO2				
(v)	CO2				