PRN:		Course Code :	UFT 301

Second Year **B.Sc.** Food Science & Technology End Semester Examination Winter 2023	
Food Analysis	
Day and Date: Tuesday, 28/11/2023	Max Marks: **50**
Time : 2.00 to 4.00 PM	Duration: **02** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt any two from the following**			
	a)	Discuss sampling of food sample.	06	L1	CO1
	b)	Explain Kjeldahl's method for estimation of protein content.	06	L1	CO1
	c)	Describe different methods for estimation of moisture content of food.	06	L1	CO1
Q.2		**Attempt any two from the following**			
	a)	Write a note on HPLC.	06	L1	CO2
	b)	Explain affinity chromatography.	06	L1	CO2
	c)	Write a note on partition chromatography.	06	L1	CO2
Q.3		**Attempt the following**			
	a)	Illustrate Different parts in colorimeter.	06	L2	CO3
	b)	Explain in detail Beers Lambert law.	07	L1	CO3
		or			
	b)	Discuss in detail atomic adsorption spectrophotometer.	07	L2	CO3
Q.4		**Attempt the following**			
	a)	Explain mineral estimation using flame photometer.	06	L1	CO4
	b)	Describe factors affecting electrophoresis.	07	L2	CO4
		or			
	b)	What is electrophoresis and explain SDS PAGE.	07	L3	CO4

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