B.Sc. (Part-III) (CBCS Pattern) Semester - V USENVDST-09 - Environmental Science Paper-I (Environmental Engineering)

	ages : e : Thr	2 ** O 2 4 4 **	GUG/S/23/13101 Max. Marks : 50	
 -	Note	es: 1. All questions are compulsory and carry equal marks. 2. Illustrate the answers with suitable diagrams and examples.		
1.		Describe method of solid waste sample preparation for estimation of different p	parameters. 10	
		OR		
	a)	Explain quartering method of soil sampling.	5	
	b)	Discuss procedure for particulate matter sampling.	5	
2.		Discuss classification of instrumental method based on physical properties mea	asurement. 10	
		OR		
	a)	Briefly explain determinant and indeterminant errors.	5	
	b)	Explain molecular spectroscopy.	5	
3.		Discuss maintenance procedure of agitator and clarifloculator.	10	
		OR		
	a)	Briefly explain operation startup procedure of aeration tank.	5	
	b)	Explain operation procedure of settling tank.	5	
4.		Discuss nature and structure of planning.	10	
		OR		
	a)	Explain component of environmental management.	5	
	b)	Write about corporate environmental planning.	5	
5.		Answer in brief any ten.	10	
		a) What is grab water sampling?		
		b) Which device is used to collect water sample?		
		c) Which device is used for the sampling of noise?		
		d) Define error.		

- e) What is spectroscopy?
- f) Give the full form of GC.
- g) What is the use of aeration tank?
- h) How equalization tank works?
- i) What is the purpose of dosing tank?
- j) Define decision making.
- k) Write about effective planning.
- 1) What is CSR?
