No. of Printed Pages: 2

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**REVE-001** 

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## Ph.D. (ENVIRONMENTAL SCIENCE) (PHDEV) Term-End Examination December, 2022

## **REVE-001: ENVIRONMENTAL CHEMISTRY**

Tin	ne : 3 i	hours Maximum Marks:	Maximum Marks: 100		
No		Answer any <b>five</b> questions. All questions coqual marks.	arry		
1.	Define the following terms, giving an application from your research proposal: 20				
	(a)	Pollutant			
	(b)	DO			
	(c)	COD			
	(d)	Receptor			
	(e)	Sink			
2.	-	lain the role of green chemistry in pollution vention.	20		

REVE-001 1 P.T.O.

What are environmentally benign solvents? Describe the role of supercritical carbon dioxide

4.	Explain the principle of electrophoresis and give its applications in the environment.		
5.	Explain the following and give their utility in environmental research:		
	(a)	E-tongue	
	(b)	E-nose	
	(c)	Computer vision	
	(d)	Integration of multiple sensors	
6.	What is green chemistry? Explain the principles of green chemistry.		
7.	Write a short note on HPLC and its advantages in environmental research.		
8.	-	ain the principle and the process of nelometry.	20