Seat No.:	GU	Enrolment I	SITY
Subject C		- SEMESTER-III(New) • EXAMINATION – WINTEI	
Subject C			Pate:09/01/2017
•		:Green Chemistry & Technology	
	_	M to 01:00 PM	Total Marks: 70
Instructions			
	_	pt all questions.	
		suitable assumptions wherever necessary. s to the right indicate full marks.	
J. 1	rigure	s to the right indicate run marks.	
			MARKS
Q.1		Short Questions	14
Q.1	1	What do you mean by Natural Purification Capacity of	
	1	River as a System?	a
	2	How do you differentiate between SPM and RSPM.	
	3	What is Zero Waste Technology?	
	4	Enlist 4R Principal of Solid Waste Management.	
	5	Define Dissolve Oxygen (DO).	
	6	What are Estuaries?	
	7	Define Eutrophication.	
	8	Enlist different types of Micro-organisms.	
	9	Write the principle of Sustainability of Green Chemistry	
	10	What is Urbanization?	•
	11	What is the definition of Green Chemistry?	
	12	Enlist Physical Parameters of Water Quality.	
		What is Water Logging?	
		What is Smog?	
Q.2	(a)	Define Sustainable Development. Enlist the factor	rs 03
	` '	affecting the sustainable society.	
	(b)	Analyse the Rio Earth Summit.	04
	(c)	What do you apprehend by Cleaner Production? Stat	e 07
		various characteristics of Sustainability and Cleane	er
		Production Practices.	
		OR	
	(c)	Elucidate the significance of Cleaner Technologies wit	h 07
		examples.	
Q.3	(a)	Define Environmental Values of Microorganisms i	n 03
	(1.)	Water Pollution Control.	1 04
	(b)	Explain the importance of Green Chemistry an	d 04
	(-)	Technology in Water Management.	. 07
	(c)	Enlist the various Water Quality Parameters and describ	e 07
		any Three of them. OR	
Q.3	(a)	Describe the tools of Clean Development Mechanism i	n 03
Ų.S	(a)	detail.	11 V J

(b) Explain various roles of Microorganisms in Environment.

(c) What is sustainable development? Give your view point

(b) Analyze Natural Purification Capacity of River and its

(a) What were the objectives of The Vienna Declaration?

Environmental

"Need

Management"?

Q.4

for

relationship with "Microorganisms".

(c) Explain various Techniques of Waste Minimization **07**

04

07

03

04

Planning

1

including On-site Treatment. OR

		OK .				
Q.4	(a)	Comment on India's Journey towards Sustainability?				
	(b)	Write down various Energy Conservation Activities associated with Solar Thermal.	04			
	(c)	What are the advantages of Identification and Enumeration of Microorganisms by Most Probable Number (MPN) Test in context of Water Quality?	07			
Q.5	(a)		03			
	(b)	•	04			
	(c)	Write some of the Benefits and Barriers in Green Energy Technologies?	07			
		OR				
Q.5	(a)	Briefly describe the energy flow in the ecosystem.	03			
	(b)	What do you understand by Bioaccumulation? Explain the three processes leading to Bioaccumulation.	04			
	(c)	Define BOD and COD. Which one of these is a better parameter for determining the strength of polluted waste water and why?	07			
