Date:06/05/2015

Seat No.:	
No.	

Subject Code:173605

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - SUMMER 2015

Subject Name: Environmental Aspects of Dyes and Pigment Industry

	Time: 02:30 pm to 05:00 pm Instructions: Total Mark)
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Write a brief note on sources of Mercury in Aquatic System and its Toxic Effects.	07
	(b)	Briefly explain harmful effect of Noise Pollution from Dyes and Pigments Industries.	07
Q.2	(a) (b)	Write a short note on importance of biodiversity Write down chemical and photochemical reaction of Nitrogen, Nitrous Oxide and Ozone in atmosphere.	07 07
		OR	
	(b)	Briefly explain harmful effect of soil pollutant generated from Dyes and Pigments Industries.	07
Q.3	(a)	Write a short note on Environmental Auditing.	07
	(b)	Explain Methods for Monitoring Oxides of Nitrogen.	07
		OR	
Q.3	(a)	Write a short note on Photochemical Smog.	07
	(b)	Write a short note on Soil Erosion.	07
Q.4	(a)	Write a short note on DO.	07
	(b)	Write a short note on Hardness of Water.	07
		OR	
Q.4	(a)	Write a short note on COD.	07
	(b)	Write a short note on Management of Hazardous waste.	07
Q.5	(a)	Write a short note on Distillation and Gravitational Separation.	07
	(b)	Write a short note on Purification Methods.	07
		OR	
Q.5	(a)	Write a short note on Extraction and Membrane Filtration.	07
	(b)	Write a short note on:	07
		i) Plug Flow Reactors (PFRs) & Packed Bed Reactors (PBRs)	
		ii) Continuous Stirred-Tank Reactors (CSTRs) & Fluidized Bed Reactors (FBRs)	
