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GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM. - SEMESTER– VII • EXAMINATION – SUMMER-2016

Subject Code: 2270007 Date: 13/05/2016

Subject Name: Environmental Toxicology and Green Audit

Time: 2:30 PM to 5:30 PM Total Marks: 80

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Discuss different pathways of Toxicants into ecosystem.	**06**
	(b)	Discuss Bioconcentration and Biomarkers in details.	**05**
	(c)	Write a note on effects of Toxicants on ecosystems.	**05**
Q.2	**(a)**	Discuss biochemistry of Carcinogenicity.	**06**
	(b)	Discuss dose response relationship.	**05**
	(c)	Explain Mycotoxins and Insect toxin in details.	**05**
Q.3	**(a)**	Discuss Toxic inorganic carbon compounds in details	**06**
	(b)	Classify Hydrocarbons and discuss toxicology of Methane, Cyclohexane and Butylenes.	**05**
	(c)	Classify Organonitrogen compounds and discuss toxicology of Nitro compounds.	**05**
Q.4	**(a)**	Write a short note on toxicology of Metals	**06**
	(b)	Discuss different Classifications of Toxicants.	**05**
	(c)	Discuss the role of Environment in carcinogenesis.	**05**
Q.5	**(a)**	Enlist various Phase-I and Phase-II reactions and discuss Phase-II reactions of Toxicants	**06**
	(b)	Explain metabolic reactions of Xenobiotic compounds	**05**
	(c)	Discuss Human health risk assessment.	**05**
Q. 6	**(a)**	Write a short note on Regulatory toxicology	**06**
	(b)	Define Sustainable development and discuss its strategy.	**05**
	(c)	Discuss Management of the environment auditing process.	**05**
Q.7	**(a)**	Define Environmental audit and discuss Framework of environmental auditing.	**06**
	(b)	Discuss Energy policy while environmental auditing.	**05**
	(c)	Write a short note on Community awareness.	**05**

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