Seat No.:	F 1 / NT	
Saat No :	Enrolment No.:	
ACALINO	EMHOHHEHLINO	

GUJARAT TECHNOLOGICAL UNIVERSITY BPLAN – SEMESTER V–• EXAMINATION – WINTER 2016

Sı	ıbjec	t Code: 1055506	Date:27/10/2016	
Ti	ime:1 structi 1 2	t Name Sustainable Urban Develop 10:30 AM to 12:30 PM 10:30 AM t	Total Marks: 50	
Q.1	(a)	 (1) development is development without compromising the ability of future (a) Economic (c) Long term (2) In EIA, the purpose of the first step, proposal should be subject to EIA, if so, at (a) screening 	e generations to meet their own needs. (b) Sustainable (d) Social is to determine whether or not a twhat level of details. (b) scoping	06
		 (c) public hearing (3) The drinking water should be, (a) Free from pathogenic organisms (c) Free from compounds that may have adverse effect on human health 	(d) notification(b) Clear, free from offensive taste or smell(d) All of the above	
		(4) The chlorides and sulphates of calcium to the drinking water.	and magnesium impart	
		(a) Smell	(b) Hardness	
		(c) Odour(5) Ecosystems tend to change over a peri Ecological(a) Change(c) Pollution	(d) Colour(d) dod of time and this process is called as(b) Succession(d) Degradation	
		(6) The chimney of an industry is categoria		
		(a) Non-point(c) Point	(b) Linear(d) Arial	
	(b)	Define following terms: (Any Four) (1) Sustainable Development (2) Ecosystem (3) Autotrophs (4) Global Warming (5) Renewable Energy		04

Q.2	(a)	What is an Ecosystem? What are the important characteristics of an ecosystem?	05
	(b)	Define what is water pollution? Write about the different sources of water pollution?	05
	(b)	OR What are the direct and indirect benefits of ecosystems?	05
Q.3	(a)	List down any four water quality parameters and explain in brief about its importance	05
	(b)	Explain the phenomenon of 'Global Warming' with proper sketch and list down its impacts.	
Q.4	(a)	What are the different point and non-point sources of air pollution in any urban area?	
	(b)	List down any two environmental legislations and write about it in brief.	05
		OR	
Q.4	(a)	What are the various impacts of water pollution?	05
	(b)	Explain the process of obtaining environmental clearance in India.	05
Q.5	(a)	Explain any two of the following: (1) Scoping in EIA (2) Urban Heat Island (3) Sustainable Development (4) Agenda 21	05
	(b)	Give examples of 'open spaces' in urban areas. List down any four benefits of providing such open spaces in cities.	05
		OB	
		OR	
Q.5	(a)	Explain what are the challenges in integrating landuse planning and transportation planning?	05
	(b)	What are the different types of conservation zones which should be considered in land use planning at regional level?	05
