SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR) APRIL - MAY - 2017

M.PLANNING (URP) - I YEAR II SEMESTER

ADVANCED INFRASTRUCTURE PLANNING (MPUR 205)

Maximum	Marks - 50 Time - 2.00 H	Time - 2.00 Hours				
 a) Answer any <u>Two questions out of Ito 4 questions</u>. b) Question No.5 is compulsory and <u>answer any four</u> out of six sub-questions. c) Scientific Calculator is allowed. 						
Q1. i) ii)	How does urbanization impact the Water Cycle? Define recurrence interval of flood	(10M) (5M)				
Q2. i)	Mention some of the Indian standards that lay down tolerance limits for Industrial effluents	(10M)				
ii)		(5M)				
Q3. List th i)	e salient features of JNNSM (7.5)	(15M)				
ii)	NMEEE(7.5)					
Q4. i)	Define energy recovery through anaerobic digestion of MSW	(5M)				
ii)		(10M)				
Q5. Write short notes on any FOUR of the following:						
a)	Mention the different types of layouts for water supply distribution system and give their advantages and disadvantages. Draw suitable sketches.					
b)						
c)	List a few low cost sanitation techniques.					

d) The trip rate (Y) and the corresponding household sizes (X) from a sample are shown in table below. Compute the trip rate if the average household size is 3.25

	Household size (X)					
	1	2	3	4		
Trips Per	1	3	4	5		
Day (Y)	3	4	5	8		
	3	5	7	8		

e) Define the term 'Aerotropolis' with an example

f) What are the four stages of travel demand forecasting? Write short notes on each stage.

