		Reg. No.	:		
		Question Paper	· Code: 59112		
	B.E.	/ B.Tech. DEGREE E2	XAMINATION, DEC	2020	
		Elec	ctive		
		Civil En	gineering		
	15UCE9	12- MUNICIPAL SOI	LID WASTE MANA	GEMENT	
(Regulation 2015) Duration: 1.15 hrs Maximum: 30 Mar					
Dui		PART A - (6 >			
		(Answer any six of th		S)	
1.		solid waste is		-)	CO1- R
		(b) 200-600 g/d		(d) 100-800	mg/d
2.	Refuse consists of	-			CO1- R
	(a) Garbage and street	twaste	(b) Trash and indu	ustrial waste	
	(c) Ashes and metals		(d) Garbage and r	ubbish	
3.	Completely decompos	sed organic matter is ca			CO2- R
	(a) Mulch	(b) Humus	(c) Compost	(d) Scum	
4.	The capacity of small	transfer station is	tonnes		CO2- R
	(a) 50	(b) 100	(c) 500	(d) 200	
5.	Which of the following waste is not compostable?				
	(a) Food waste	(b) Paper	(c) Dry leaves	(d) Ashes	
6.		o in composting proces		~ /	CO3- R
	(a) 31 to 35	(b) 21 to 25	(c) 26 to 30	(d) 36 to 45	
7.		temperature for growth		. ,	CO4- R
<i>.</i> .	(a) 30-38 °C	(b) 0-4 °C	(c) 55-60 °C	(d) None of	
8.	Which of the following is present in landfill gas?				
0.	(a) Furans	(b) Porassium	(c) Methane	(d) Argon	CO4- R
	(u) I ulullo		(c) methane	(u) Aigoil	

9.	Which of the following	CC	5- R								
	(a) Landfilling	a) Landfilling (b) Composting (c) Incineration (d) None of th				ie above					
10.	Which of the following	CO5- R									
	(a) Temperature	(b) Time	(c) Turbulence	(d) All of the al		oove					
	PART - B (3 x 8 = 24 Marks)										
(Answer any three of the following questions)											
11.	Explain the sampling methods and characterization of municipal solid CO waste.										
12.	Explain in detail the Onsite processing / Segregation methods for solid CO2 waste.										
13.	Differentiate hauled and stationary container system used for solid waste CO3- collection with neat diagrams.										
14.	Describe the incineration technologies with the emphasis on air emissions of and control techniques.					(8)					
15.	What is a sanitary landfill? Explain with neat sketch of the components of landfill.					(8)					

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