[A-77]

(a) Jordan



No. Of Printed Pages: 2

SARDAR PATEL UNIVERSITY VALLABH VIDYANAGAR **B. Sc. SIXTH SEMESTER EXAMINATION**

2016

FRIDAY 1st APRIL 2:30 TO 5:30 pm

USO6CENV 03

(Waste Management)

TOTAL MARKS 70

(d) Decker

		10	TIES HALLES
written	in the provided answe	(including multiple choice q er sheet m wherever necessary	uestions) should be
Q1 Answer the fo	ollowing multiple ch	oice questions	(10)
1. Disinfection is a	nainly a part of	treatment	
(a) Tertiary	(b) Secondary	(c) Primary	(d) Pre-Primary
		of total cost is assisted by ce	
(a) 25	(b) 30	(c) 35	(d) 40
3. COD has	mg/L inlet standard	for CETP	
(a) 3000	(b) 2500	(c) 2000	(d) 1500
4. Paper, Cardboar are type		Leathers, Wood furniture ar	nd garden trimming
(a) Noncombustib		(b) combustible rul	bbish
(c) Special waste		(d) demolition was	te
· ·	1000/		

(c) Special W	asic	(u) ucmontion v	Yasic
5.	has 100% recyclable property		
(a) Glass	(b) Plastic	(c) Paper	(d) Cardboard
6. Animal wa	ste is included in Category	of Schedule	1
(a) 1	(b) 2	(c) 3	(d) 4
7. Untreated	biomedical waste can be stored	for not more than _	hours
(a) 24	(b) 36	(c) 48	(d) 72
8 is a	not a type of major source of ha	zardous waste	
(a) Generator	(b) Treaters	(c) Traders	(d) Disposers
0.7		11 1 1 11	1. 1. 1

9.	In pulp	and	paper	industry	fibers	are	partially	dewatered	in	cylindric	al s	creen	called

(c) Screed

10.	breaks up	and o	disperses	milk f	at throughout	the	milk to	prevent	cream
from rising	to the top								

(b) Beater

from rising to the to	p		
(a) Homogenization	(b) Pasteurization	(c) Dried milk plant	(d) Cheese pl

Q2. Answer the following questions. (Any ten)	(20)				
1. Write objectives of CETP					
2. How flocculation is used as physical treatment?					
3. Write about conducting a waste inventory as technological aspect of CETP					
4. Write about landfilling					
5. Enlist the sources of food waste & special waste					
6. Discuss the physical properties of municipal solid waste					
7. Define biomedical waste					
8. Enlist the sources of biomedical waste					
9. Write note on toxicity as a characteristic of hazardous waste					
10. Enlist dry and wet operations in textile industry					
11. Explain in brief the biological treatment of dairy waste					
12. Explain Kraft's process					
Q3. Explain the waste water treatment with an appropriate diagram	(10)				
OR					
Q3. Give a detailed account of CETP	(10)				
Q4. Write note on:					
(a) Transfer stations and different methods to transport solid waste					
(b) Types of collection systems for solid waste	(04)				
OR					
Q4. Write note on:					
(a) Recycling of Glass and paper	(06)				
(b) On site handling of solid waste					
Q5. (a) Give an account of categories of biomedical waste according to	(07)				
Schedule 1					
(b) Discuss the colour coding and type of container for disposal of	(03)				
biomedical waste	(03)				
OR	(06)				
Q5. (a) Discuss major sources of hazardous waste(b) With a labeled diagram describe bubbling fluidized bed incineration	$\begin{array}{c} (06) \\ (04) \end{array}$				
The Fig.					
Q6. (a) Write about the treatment of waste from pulp and paper mill	(07)				
(b) Explain the picking method in textile industry	(03)				
OR					
Q6. (a) Discuss the dairy processing activities	(07)				
(b) Enlist the sources of waste from Tanning industry	(03)				

ALL THE BEST

