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SEAT No.

[63]

No. of Printed Pages: 2

SARDAR PATEL UNIVERSITY T. Y. B. Sc. (SIXTH SEMESTER) EXAMINATION 2019

WEDNESDAY, 27th MARCH

Time: 10.00 a.m. to 01.00 p.m.

US06CENV02 (ENVIRONMENTAL SCIENCE)

(ENVIRONMENTAL TOXICOLOGY)

- Note: 1. Answers of all the questions (including multiple choice questions) should be written in the provided answer book only
 - 2. Figures to the right indicate the full marks of sub question
 - 3. Draw neat and labelled diagrams wherever necessary

Q. 1.	Multiple choice que	estions		Maximum Marks: 70 (10)	
1.	Once in a matrix, the contaminant can enter another matrix by			transport.	
	a. Interphase	b. Intraphase	c. Ultraphase	d. Transphase	
2.	Contaminant transport in air occurs primarily by processes.				
	a. Diffusional		c. Evaporational		
3.	is the example of disease caused by chronic effect.				
			c. Asthma		
4.	Full form of TWA is	•			
	a. Total Weight Area	1	b. Tough Weighing	Average	
	c. Time Weighted Average d. Total Wor		d. Total Worldwide	Alliance	
5.	Industrial hygiene works through				
	a. Anticipation	b. Recognition	c. Evaluation	d. All of these	
6.	The elimination half-life for inorganic Lead in blood is				
	a. 10 days	b. 30 days	c. 27 days	d. None of these	
7.	Inorganic Arsenicals are known in humans.				
		b. Carcinogens		d. Inducers	
8.	form of Chromium is more toxic.				
	a. Divalent	b. Trivalent	c. Pentavalent	d. Hexavalent	
9.	Microbial toxins produced bylead to contamination			of food during packaging.	
		b. Salmonella			
10	choactive drugs.				
	a. Inhibition			d. Irritation	
				LATAS	

	Answer the following questions in short (Any Ten)	(20)		
Q. 2.	Enlist common environmental toxicants			
	What is Accumulation sensu lato and sensu stricto?			
	3. What is chemodynamics?			
	4. Explain the term Hygiene5. What is the purpose of food safety inspections?			
	6. List any five food borne illnesses.			
	7. Write the biochemical effects of Chromium.			
	8. Write the toxic effects of Mercury.			
	9. Write the sources of Lead causing pollution			
	10. What are food additives?			
	11. Write about the signs of alcohol intoxication			
	12. Mention deleterious effects of any two known contaminants of food			
	u	(05)		
Q. 3.	(a) Describe transport of chemical in soil environment	(05)		
	(b) Describe the effects of toxicants at population level OR			
		(10)		
Q. 3.	Write an essay on: Biological monitoring of toxic substance			
	(a) Write a detailed note on food preservation	(07)		
Q. 4.		(03)		
	(b) Discuss physical hazards and control OR			
	fundamental and preventive measures	(07)		
Q. 4.	(a) Write a note on 1000 poisoning and provention in the same of popular of industrial hazards	(03)		
	(b) Explain hierarchy of control of industrial hazards			
	. Write about toxicokinetics of Arsenic and add a note on its toxic effects or	humans (10)		
Q. 5	. Write about toxicokinetics of Arsenie and add a visit			
	The management of Cadmium toxicity	(06)		
Q. 5		(04)		
	(b) Write a note on Minamata disease			
0.6	S. Write a note on			
Q. 6	(a) Safe home food storage in pantry and refrigerators	(06)		
	(b) Differentiate between acute and chronic intoxication	(04)		
	(b) Differentiate between acute and sweet of the OR			
_	the state of the s	(06)		
Q. ((04)		
	(b) Write about deliberate intoxication			