

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024

Fifth/Sixth Semester

Biomedical Engineering

CBM358 – Medical Waste Management

Regulations – 2021

Duration : 3 Hrs

Maximum: 100 Marks

PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
1.	Define hazard analysis.	RE	1	2
2.	List out accident causation theories.	AN	1	2
3.	Where healthcare wastes are generated?	RE	2	2
4.	State the color coding for disposal of medical waste.	RE	2	2
5.	How do you handle hazard materials?	RE	3	2
6.	Distinguish ventilator and respirator.	AN	3	2
7.	Compare the causes tripping and falling.	AN	4	2
8.	Define safety symbol alert.	RE	4	2
9.	What is disinfection? Mention it's any two types.	RE	5	2
10.	Why medication safety is important?	RE	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Describe in detail about hazard control management and hazard analysis. Or	UN	1	13
	b Explain the accident causation theories and accident investigation in detail.	UN	1	13
12.	a Classify the various biomedical wastes and explain its types and cause of source with neat diagram. Or	AN	2	13
	b List the different waste segregation and transportation process in detail.	AN	2	13
13.	a Describe the OSHA hazard communication standard with some valuable points. Or	UN	3	13
	b i Illustrate the medical gas system with neat diagram.	UN	3	7
	ii Discuss the various types of respiratory protection techniques.	UN	3	6

14.	a	Examine the various considerations for slip, trip and fall prevention.	AN	4	13
		Or			
	b	Analyze the various concepts for landscape and ground maintenance in detailed way.	AN	4	13
15.	a	Inspect various parameters related to disinfectants, sterilant and antiseptic in detail.	AN	5	13
		Or			
	b	Examine the various healthcare associated infections and medication safety parameters.	AN	5	13

*PART – C (Marks 1*15 = 15)*

<i>Q.No</i>		<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
16.	a	Examine tool safety and its various considerations in detail.	AN	4	15
		Or			
	b	Analyze the various points involved in electrical safety with neat diagram.	AN	4	15