

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025

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)

Q.No	Questions	BLT	CO	Marks
1.	What are the types of hazard analysis?	L1	1	2
2.	Mention the three types of controls in hazard.	L2	1	2
3.	What is biomedical waste management?	L1	2	2
4.	List the categories of biomedical waste (1998 Act).	L1	2	2
5.	Give the four main requirements of Hazard communication standard.	L2	3	2
6.	List the nine DOT hazard classes.	L1	3	2
7.	What are the steps of healthcare facilities in healthcare?	L1	4	2
8.	Give some examples of administrative area safety.	L2	4	2
9.	List out the basic categories of vaccines for healthcare.	L1	5	2
10.	What is the FDA antiseptic product categories?	L1	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11.	a Discuss the personal protective equipment with tools for healthcare hazards controls.	L4	1	16
	Or			
	b Analyze the Concept of hierarchies of controlling hazard in hazard control and correction.	L4	1	16
12.	a Describe the various guidelines given by WHO for safe healthcare waste management.	L4	2	16
	Or			
	b Discuss on the principles of hospital hazards management. Explain the various types of infections.	L4	2	16
13.	a i Explain in detail about the method of fire-fighting measures.	L2	3	8
	ii Discuss in detail the OSHA Hazard communication standard.	L4	3	8
	Or			
	b Explain the Medical gas systems and Respiratory protection.	L2	3	16

14.	a	Explain the facility guideline institute in detail. Mention how this transforms the safety levels in the hospital.	L2	4	16
Or					
	b	Demonstrate the controlling mechanism of hazardous energy and highlight the basic lockout steps.	L4	4	16
15.	a	Categorize the different levels of healthcare workers immunization in detail.	L4	5	16
Or					
	b	Analyze the mechanisms are adopted by center of disease control and prevention in maintaining infection free environment? Explain.	L4	5	16