Reg.No.:												

VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 120017

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024

Fifth Semester

Computer Science and Engineering

U19BMOE3 - HOSPITAL WASTE MANAGEMENT

(Regulation 2019)

Time: Three Hours | Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels (KL)	K1 – Remembering	K3 – Applying	K5 - Evaluating
	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	What are the steps in behavior correction process?	2	K1	CO1
2.	List the responsibilities of Hazard Control Manager.	2	K2	CO1
3.	Mention the major and minor sources of biomedical waste.	2	K1	CO2
4.	Define waste minimization. Identity the needs of waste minimization.	2	K1	CO2
5.	List the possible side effects of exposure of hazardous substances.	2	K1	CO3
6.	What is DOT hazardous material regulations?	2	K1	CO3
7.	What are the signmarking requirements?	2	K1	CO4
8.	List the OSHA classification of signs.	2	K1	CO4
9.	Define antiseptics.	2	K1	CO5
10.	What does medication administration mean?	2	K1	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.		Questions	Marks	KL	CO
11.	a)	How can the accident causation theory and deviation theory improve the safety protocol and reduce the incidents of accidents in a high risk environment?	13	K2	CO1
		(OR)			
	b)	Assess the challenges and current issues in hazard control management.	13	K2	CO1
12.	a)	Explain the different types of biomedical waste, also explain how the hospitals handle the sources of these waste.	13	K2	CO2
		(OR)			
	b)	What are the various guidelines given by WHO for safe medical waste management?	13	K2	CO2
13.	a)	Explain in detail about OSHA hazard communication standard.	13	K2	CO3
		(OR)			
	b)	Explain in detail about the following terms i. Medical Gas system. ii. Respiratory Protection.	13	K2	CO3
14.	a)	Explain in detail about Facility Guideline Institute(FGI).	13	K2	CO4
		(OR)			
	b)	Summarize the facility safety about the control of hazardous energy.	13	K2	CO4
15.	a)	Explain in detail about how the antiseptic disinfectants and sterilization agents differ.	13	K2	CO5
		(OR)			
	b)	Summarize how can the opportunistic infections be prevented.	13	K2	CO5

PART – C

(1 x 15 = 15Marks)

Q.No.		Questions	Marks	KL	CO
16.	a)	Why we should dispose Biomedical Waste safely? Compare which country is best and worst in disposing biomedical waste – Explain.	15	K2	CO5
		(OR)			
	b)	Illustrate the role of occupational health programming and emergency practices followed in our country.	15	K2	CO3