



BRAINWARE UNIVERSITY

Course Name – Hospital Waste Management

Course Code - MBAHM303

(Semester III)

Full Marks: 60

Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

- 1. Choose the correct alternative from the following:
- (i) Choose among the following options which is the flow of Bio-Medical Waste from its generation to final disposal?
 - a) Generation, segregation, storage, transportation, treatment, and disposal
 - c) Generation, storage, segregation, transportation, treatment, and disposal
- b) Generation, transportation, segregation, storage, treatment, and disposal
- d) Generation, storage, transportation, segregation, treatment, and disposal
- (ii) Identify among the following which department generates Bio-medical Waste in a healthcare facility, mainly consisting of used sharps?
 - a) Dental clinic

- b) Outpatient department (OPD)
- c) Inpatient department (IPD)
- d) Diagnostics
- (iii) identify from the following options: Cytotoxic and expired drugs are disposed of by
 - a) Dumping

b) Autoclave

c) Incineration

- d) Chemical disinfection
- (iv) What does the poor disposal of bio medical waste cause?
 - a) Infectious diseases

b) Medical issues

c) Allergies

- d) All of the above
- (v) Identify from the following options: If the waste generated is hazardous, generators should obtain ___
 - a) Manifest

b) Permit

c) Identification number

- d) Chemical analysis
- (vi) What is the recommended method for the final disposal of Bio-medical Waste?
 - a) Landfill burial

b) Incineration

c) Composting

- d) Flushing down the drain
- (vii) What is Bio-medical Waste?
 - a) Waste generated in households
- b) Waste generated in industries
- c) Waste generated in healthcare facilities
- d) Waste generated in schools

		of proper waste		
(vi	i) Choose from the following options: What is the management in the dental clinic department of	e importance of proper waste a healthcare facility?		
	a) Enhancing infection control	b) Reducing energy consumption b) Ensuring patient confidentiality		
· (iv	c) Promoting waste recycling Identify which of the following is not true abou	Microwave irradiation technique		
(1)	a) it is an effective treatment in sterilizing the	b) The waste in this technique is first shreedded and then humidified and		
	infected, disposable waste	· Jistod		
Ythe		d) It requires good operational and		
85100	This is an inexpensive system	maintenance control		
(x)	Identify: What is the importance of proper was department of a healthcare facility?			
	a) Ensuring surgical success	b) Promoting waste reduction d) Maximizing healthcare revenue		
	c) Enhancing patient recovery What are the major aims of Bio-medical Waste	Management? (Choose all that apply) A)		
(XI)	Reducing occupational hazards B) Protecting pu compliance D) Encouraging waste hoarding	iblic health C) Ensuring regulatory		
	a) A,B	b) A,B,C		
(vii)	c) B,C, Identify among the following which is the prima	d) A,C ary purpose of the World Health		
(211)	Organization (WHO) guidelines on waste manage	rganization (WHO) guidelines on waste management in healthcare reasonable		
	a) Reducing healthcare costs	b) Enhancing patient comfort d) Minimizing infection risks		
(viii)	c) Promoting sustainable practices What are the major sources of infectious Bio-m	edical Waste? (Choose all that apply) A)		
(2111)	Hospitals B) Research labs C) Dental clinics D) S	hopping malls		
	a) A	b) A,B,C		
(viv)	c) A,B What is the primary purpose of the Biomedical	d) B,C Waste Management Rules, 1998?		
	a) To promote healthcare research	b) To reduce the generation of waste		
	c) To regulate the safe handling and disposal of biomedical waste	d) To encourage waste export		
(xv) What is the importance of proper Bio-medical Waste Management? (Choose all that apply) A) Preventing disease transmission B) Minimizing environmental pollution C) Maximizing waste production D) Reducing healthcare expenses				
	a) A,B,D	b) A,B,C		
	c) C	d) B,C		
	Grou	p-B		
	(Short Answer Ty		3 x 5=15	
	cuss the role of the World Health Organization nagement practices in healthcare facilities.	guidelines in promoting sustainable wast	te (3)	
3. Exr	nine the importance of personal protective equitocols	ipment , training, and adherence to	(3)	
	lain the concept of Hospital-acquired infection		(3)	
5. Provide an example of waste that falls under the category of Expired Pharmaceuticals.6. What are the advantages of Chemical disinfection in Bio medical waste management?			(3)	
	OF	8	(3)	
Wh	at is the treatment and disposal procedure of \	Naste sharps Including metals?	(3)	
	Grou	p-C		
	(Long Answer Ty		5 x 6=30	

7. Write a brief note on bio medical waste collection and segregation.8. Illustrate the key steps involved in the transportation of bio-medical waste within a	(5) (5)			
hospital. 9. Examine the potential environmental impacts of improper biomedical waste management. 10. Describe the concept of a secured landfill for the disposal of healthcare waste 11. Describe the role of regulatory bodies in enforcing the Biomedical Waste Management and	(5)			
Handling Rules. 12. Explain the wet thermal technology used in healthcare waste management.	(5)			
OR What is Waste Assessment Strategy?	(5)			

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