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BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – BBA(HM)-2022

Course Name – Biomedical Waste Management & Disaster Management

Course Code - BBAHMD601

(Semester VI)

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) Relate from the following, the color-coding for biomedical waste bags as per the guidelines of the Ministry of Environment, Forest and Climate Change.
- | | |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| a) Blue for infectious waste, yellow for human anatomical waste, red for sharps waste, and black for general waste | b) Blue for general waste, yellow for infectious waste, red for sharps waste, and black for human anatomical waste |
| c) Blue for general waste, yellow for infectious waste, red for sharps waste, and black for human anatomical waste | d) Blue for sharps waste, yellow for general waste, red for infectious waste, and black for human anatomical waste |
- (ii) Classify the responsibilities of the Biomedical Waste Management Committee (BMC) in waste disposal.
- | | |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| a) It is responsible for the collection and disposal of biomedical waste | b) It ensures compliance with biomedical waste management rules and regulations |
| c) It provides training and education to healthcare workers on biomedical waste management | d) It is responsible for the procurement and maintenance of biomedical waste treatment equipment |
- (iii) Infer from the following, the process of segregating biomedical waste at the point of generation.
- | | |
|-----------------------------------------------------------|---------------------------------------------|
| a) It involves separating waste into different categories | b) It is done by trained healthcare workers |
| c) It ensures safe and effective disposal of waste | d) All of these |
- (iv) Infer the consequences of exceeding the maximum storage time limit for biomedical waste.
- | | |
|-------------|-------------|
| a) 48 hours | b) 72 hours |
| c) . 7 days | d) 30 days |
- (v) Show from the following the healthcare facility does not require to follow the Bio-Medical Waste Management Rules, 2016.

- a) a) Blood Bank
c) Veterinary Institution
(vi) Which of the following is a key goal of biomedical waste management?
a) Reducing recycling costs
c) Encouraging illegal disposal
b) School First Aid Room
d) Ayush Hospital
b) Increasing waste accumulation
d) Minimizing the risk to healthcare workers and the public
(vii) What is the most significant impact of improper biomedical waste management?
a) Increase in hospital revenues
c) Spread of infections and diseases
(viii) Which sector generates the highest volume of biomedical waste?
a) Industrial
c) Healthcare
(ix) Recall the primary function of fire escape routes.
a) To provide a safe path for evacuation
c) To block fire extinguishers
(x) Choose the right way to prevent hospitals from kitchen fires.
a) Regular maintenance of kitchen equipment
c) Leaving stoves unattended
(xi) Select the right approach if your clothes catch fire.
a) Stop, drop, and roll
c) Wave your arms in panic
(xii) What is the first step to take when a fire alarm sound?
a) Evacuate safely
c) Block the exits
(xiii) Which of the following is NOT an element of the fire triangle?
a) Heat
c) Water
(xiv) Show us the agency responsible for disaster management at the national level in India.
a) World Health Organization
c) United Nations International Children's Emergency Fund
(xv) Outline the answer that is not a key element of disaster training.
a) Risk communication
c) Real-life simulation exercises
b) Creation of reusable products
d) Decrease in waste production
b) Agriculture
d) Transportation
b) To store flammable materials
d) To increase fire risks
b) Storing oil near open flames
d) Ignoring fire drills
b) Run faster
d) Pour fuel on them
b) Ignore it
d) Increase the fire risks
b) Fuel
d) Oxygen
b) National Disaster Management Authority
d) United Nations Development Programme
b) Equipment handling
d) Political awareness programs

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Recall the three essential components of the fire triangle. (3)
3. How is biomedical waste classified? (3)
4. In the context of biomedical waste management, explain the concept of "collection". (3)
5. Explain the main purpose of the Bio-Medical Waste Management Rules, 2016. (3)
6. Discuss the two passive fire protection measures used in hospitals. (3)

OR

Develop a short note on fire safety training in hospitals.

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the implications of the Biomedical Waste Management (Amendment) Rules 2018. (5)
8. Explain the procedures for the safe handling of biomedical waste. (5)

9. Determine the benefits of integrating environmental sustainability into disaster management. (5)
 10. Construct a note on the methods of fire protection in hospitals, including both passive and active measures. (5)
 11. Develop a note on the importance of regular maintenance of fire-fighting equipment in hospitals. (5)
 12. Justify the way digital transformation influenced disaster management. (5)
- OR**
- Recommend the ways technology can be incorporated into disaster preparedness plans. (5)
