



Library
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BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – BBA(HM)-2020

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) Describe the process of collecting biomedical waste
- | | |
|--------------------------------------------------------------------|---------------------------------------------|
| a) It involves using proper containers and transportation vehicles | b) It is done by trained healthcare workers |
| c) It requires following safety protocols | d) All of the these |
- (ii) Explain the role of the waste management team in healthcare facilities.
- | | |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| a) They are responsible for collecting, segregating and disposing of waste generated on the premises | b) They must ensure that waste is disposed of in a safe and environmentally-friendly manner |
| c) They must comply with local and national regulations | d) All of the these |
- (iii) Explain the consequences of improper biomedical waste management
- | | |
|--------------------------------|----------------------------|
| a) Increased risk of infection | b) Environmental pollution |
| c) Legal consequences | d) All of the these |
- (iv) Describe the requirements for the storage of biomedical waste
- | | |
|---------------------------------------------------------------|------------------------------------------------------|
| a) Store waste in a secure area with limited access | b) Keep waste containers closed and labeled properly |
| c) Ensure proper ventilation and lighting in the storage area | d) All of the these |
- (v) Explain the importance of training healthcare workers on biomedical waste management
- | | |
|------------------------------------|------------------------------------|
| a) To reduce the risk of infection | b) To reduce the risk of infection |
| c) To ensure proper disposal | d) All of the these |
- (vi) Bhopal Gas Disaster is a kind of
- | | |
|----------------------|---------------------|
| a) Natural disaster | b) Manmade disaster |
| c) None of the these | d) neither a nor b |
- (vii) Explain the guidelines for the disposal of pathological waste

- a) Incinerate or autoclave
c) Store in a plastic bag and dispose of in the regular trash
- b) Bury in a landfill
d) None of the these
- (viii) Identify the correct method of disposing of pathological waste
- a) Bury in a landfill
c) Incinerate or autoclave
- b) Store in a plastic bag and dispose of in the regular trash
d) None of the these
- (ix) Describe the procedure for disposing of unused or expired chemicals in a healthcare facility
- a) Pour down the drain with copious amounts of water then
c) Store in a plastic bag and dispose of in the regular trash
- b) Store in a secure area until a hazardous waste disposal company can remove
d) None of the these
- (x) Explain the importance of monitoring and evaluating the biomedical waste management system
- a) It helps in identifying areas for improvement and optimization
c) It helps in reducing the risk of infection and contamination
- b) It ensures compliance with regulatory requirements
d) All of the these
- (xi) Explain the role of the waste management team in healthcare facilities.
- a) They are responsible for collecting, segregating and disposing of waste generated on the premises
c) They must comply with local and national regulations
- b) They must ensure that waste is disposed of in a safe and environmentally-friendly manner
d) All of the these
- (xii) Describe the role of the regulatory body in biomedical waste management.
- a) It is responsible for developing policies and guidelines for waste management
c) It ensures compliance with regulatory requirements
- b) It is responsible for developing policies and guidelines for waste management
d) All of the these
- (xiii) Identify the main goal of disaster preparedness.
- a) To prevent the occurrence of disasters.
c) To provide relief and recovery after a disaster has occurred.
- b) To minimize the impact of disasters.
d) To identify the cause of disasters.
- (xiv) Identify the potential fire hazards associated with medical equipment in a hospital.
- a) Overloaded electrical circuits
c) Accumulation of dust and debris
- b) Improper use of electrical equipment
d) All of the these
- (xv) Identify the categories of biomedical waste
- a) General waste and hazardous waste
c) Sharps waste and chemical waste
- b) Infectious waste and non-infectious waste
d) Solid waste and liquid waste

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Identify the changes made in the Biomedical Waste Management (Amendment) Rules 2016. (3)
3. Distinguish the different categories of hospital waste. (3)
4. Explain the importance of planning for disaster management (3)
5. describe how a fire manual can guide these training sessions. (3)
6. Describe the methods of treatment and final disposal of different types of biomedical waste. (3)

OR

- Explain the risks involved in landfilling and incineration of biomedical waste. (3)

Group-C
(Long Answer Type Questions)

5 x 6=30

7. Select two different types of fire hazards that can pose a risk in a hospital and determine how a fire manual can be utilized to prevent these hazards from occurring. (5)
8. Determine the role of healthcare professionals in developing and implementing a hospital disaster plan. (5)
9. Discover the strategies for addressing these challenges in the disaster plan. (5)
10. . Describe importance of staff training while the timing of handlining bio medical waste ? (5)
11. Choose three different types of fire suppression systems commonly used in hospitals and compare their effectiveness in managing fire hazards. (5)
12. Discuss the various stages of the biomedical waste management process including segregation, storage, transportation, treatment, and disposal? (5)

OR

Describe the process of composting organic waste. (5)
