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Question Paper Code : 41035

B.E. /B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2021.

Fifth Semester

Computer Science and Engineering

OMD 552 – HOSPITAL WASTE MANAGEMENT

(Common to: Computer and Communication Engineering/ Electronics and Communication Engineering/ Electronics and Telecommunication Engineering/ Environmental Engineering/ Petrochemical Engineering/ Bio Technology/Chemical Engineering/ Chemical and Electrochemical Engineering/ Food Technology/ Information Technology/ Petrochemical Technology/ Petroleum Engineering/ Pharmaceutical Technology)

(Regulations 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the compensation given for the workers, if they had accident?
2. What are the roles and responsibilities of hazard control committees?
3. What are the major and minor sources of biomedical waste?
4. How to minimize the biomedical waste?
5. List out the different hazardous materials.
6. How the respiratory protection is done?
7. Give an two safety signs.
8. Enumerate the features of facility guidelines.
9. Give the different healthcare Immunizations.
10. Mention about the healthcare opportunistic infections.

PART B — (5 × 13 = 65 marks)

11. (a) Describe the accident causation theories and how to prevent accidents?

Or

- (b) List and elaborate on the personal protective equipment used by the healthcare workers.

12. (a) What are the generic techniques to treat biomedical wastes?

Or

- (b) How do you classify and categorize the biomedical wastes?

13. (a) Elaborate on the hazardous materials regulations from DOT.

Or

- (b) What are the OSHA Hazard communication standard? Discuss.

14. (a) Explain the procedure for landscape and ground maintenance in hospitals.

Or

- (b) What do you understand with the terms electrical safety and tool safety?

15. (a) Discuss the role played by the centers for disease control in preventing the bad situation due to diseases.

Or

- (b) What are the OSHA blood borne Pathogens standard? Discuss.

PART C — (1 × 15 = 15 marks)

16. (a) Describe the need for biomedical waste management? How to segregate, label, handle and dispose biomedical waste.

Or

- (b) What are the safety measures in administrative area? Describe slip, Trip and fall prevention.