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Question Paper Code : 91064

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022.

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/Artificial Intelligence and Data Science/Bio Technology/ Biotechnology and Biochemical Engineering/ Chemical Engineering/Chemical and Electrochemical Engineering/Computer Science and Business Systems/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 traditional hazard control assumptions?
2. What are the basic questions to ask about training sessions?
3. What are the major sources of biomedical waste?
4. What is the reason for segregating biomedical waste?
5. State the characteristics of hazardous substances.
6. Give the list of various DOT Hazard Classes.
7. What are the factors to consider when selecting new flooring materials?
8. What are the Basic Tool Safety Rules?
9. How are the infection control plan development considerations done?
10. What is severe acute respiratory syndrome?

PART B — (5 × 13 = 65 marks)

11. (a) Explain the differences between proactive and reactive hazard control.

Or

- (b) Explain the organizational functions that support accident prevention.

12. (a) What are the minor sources of biomedical waste? How is it categorized and classified?

Or

- (b) How are the biomedical wastes labeled, handled and disposed?

13. (a) Discuss in detail the different healthcare hazardous materials.

Or

- (b) What are medical gas systems? Explain the requirements in checking its components.

14. (a) What is Fleet and Vehicle Safety? Describe the Major Fleet Safety Components.

Or

- (b) Explain the Electrical Safety related work practice to prevent electrical shock or injuries.

15. (a) What are the guidelines for environmental infection control in health care facilities?

Or

- (b) Describe OSHA bloodborne pathogens standard in detail.

PART C — (1 × 15 = 15 marks)

16. (a) What are the common myths about accidents? Describe in detail the various accident causation theories.

Or

- (b) Describe in detail the slip, trip and fall prevention with respect to administrative area safety.