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Question Paper Code : X10875

B.E./B.Tech. DEGREE EXAMINATIONS NOVEMBER / DECEMBER 2020

Fifth Semester

Computer Science and Engineering

OMD552 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)

(Regulation 2017)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART- A (10 x 2 = 20 Marks)

1. Enlist the four key hierarchical hazard controls.
2. Indicate the five basic elements of personal protective equipment training.
3. Give the types of biomedical wastes.
4. Identify the major and minor sources of biomedical waste.
5. Give the characteristics of Hazardous substances.
6. When is respiratory protection required?
7. Mention at least five measures that can help to prevent slips and trips.
8. List the requirements healthcare electrical safety.
9. Indicate the infection transmission routes.
10. Give the three basic categories of administration of vaccines to healthcare workers.

PART- B (5 x 13 = 65 Marks)

11. a) (i) List and explain the importance of five basic hazard control principles (6)
(ii) Categorize the healthcare hazard and explain (7)

OR

- b) (i) Explain the difference between hazards and accident causal factors (6)
(ii) List and explain the five steps in the job hazard analysis process (7)

12. a) Give the classification of biomedical waste and explain them in detail.

OR

b) State the need for disposal of biomedical waste and elaborate on the waste minimization techniques.

13. a) Enlist and explain the healthcare hazardous materials along with their health effects and exposure control.

OR

b) Discuss in detail about Performance-oriented packaging standard of DOT Hazardous material Regulations

14. a) Elaborate on the basic tools safety rules.

OR

b) Discuss in detail about the Landscape / Grounds maintenance and vehicle safety procedures.

15. a) Describe the OSHA blood borne pathogens compliance references in detail.

OR

b) How are chemical germicides categorized? Explain them in detail.

PART- C (1 x 15 = 15 Marks)

16. a) Discuss the following in detail (i) biomedical waste segregation and labeling (ii) biomedical waste handling and disposal

OR

b) Describe the six major parts of OSHA Hazard Communication standard.
