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**Question Paper Code: 99B75**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2024

Open Elective

Civil Engineering

19UBM975- Occupational Safety and Health in Public Health Emergencies

(Common to CSE,EEE, ECE, MECH, IT , Chemical and Agriculture Engineering branches)

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Outline the concept of Safety CO1- U
2. State the conditions of employee during outbreak CO1- U
3. Define Aspects CO2- U
4. Define strategy CO2- U
5. State the conditions of an individual, if he/she affects by food disorder. CO2- U
6. List Vaccine-preventable diseases CO2- U
7. What are the radiations caused by chemical industries. CO4- U
8. Justify the importance of Personal Protective Equipment. CO4- U
9. Name the two types of radiations techniques used in cancer treatment. CO5- U
10. List any two social responders name. CO5- U

PART – C (5 x 16= 80 Marks)

11. (a) Discuss the role of Management system related to employee and employer risks. With neat flow chart. CO1- U (16)
- Or
- (b) Elaborate in detail about the health hazards that can be controlled in general by maintaining a good physique. CO1- U (16)

12. (a) Explain the role of Incident command system for managing outbreaks and Emergencies. CO2- U (16)
- Or
- (b) Elaborate in detail about the International Health Regulations ACT, 2005 CO2- U (16)
13. (a) Elaborate the strategies in detail about the food safety and health hazards that can be controlled in pandemic. CO3- App (16)
- Or
- (b) Foodborne illness, more commonly referred to as food poisoning, is the result of eating contaminated, spoiled, or toxic food. The most common symptoms of food poisoning include nausea, vomiting, and diarrhea. Justify the causes, effects of food-borne diseases. And implement the steps to avoid foodborne illness. CO3- Ana (16)
14. (a) Explain the causes of chemical industries to surroundings and environmental hazards. CO4- App (16)
- Or
- (b) Illustrate the occupational safety and health hazards and risks of chemicals CO4- App (16)
- 15 (a) Elaborate in detail about Occupational health surveillance of persons occupationally exposed to radiation in emergencies CO5- App (16)
- Or
- (b) Explain the role of Emergency responders health monitoring and surveillance. CO5- App (16)