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**Question Paper Code: 99B75**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

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. Define Occupation CO1- U
2. Define Health according to WHO 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. List the diseases caused by radiations in industries. CO5- U
10. Point out the radiation incidents happened in recent time. CO5- U

PART – C (5 x 16= 80 Marks)

11. (a) Elaborate in detail about the health hazards that cannot be controlled in pandemic, but it can be limited. [Consider Covid -19 Situation]. CO1- App (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) Interpret the concept of health advisors in emergency monitoring and surveillance. CO2- App (16)
- Or
- (b) Explain the role of Emergency responders health monitoring and surveillance. CO2- App (16)
13. (a) Vector Borne diseases are the illness caused by the vectors. A vector is a carrier of the causative microbe for various diseases such as mosquitoes, ticks and fleas. Being a public safety officer, how will you make necessary precautions to avoid the spread of vectors and its diseases. CO3- App (16)
- Or
- (b) Analyze the factors affecting every individual related to Psychological stress during outbreaks and injuries 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) Explain the role of Emergency responders health monitoring and surveillance. CO5- App (16)
- Or
- (b) Explain the Sources and scenarios of radiation incidents CO5- App (16)