

# Rajiv Gandhi University of Health Sciences

**I Semester Master in Public Health Degree Examination – OCT-2019**

[Time: 3 Hours]

[Max. Marks: 100]

## **Environmental and Occupational Health**

**Q.P. CODE: 9765**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

### **LONG ESSAY**

**3 X 10 = 30 Marks**

1. You have been commissioned to manage solid waste disposals of urban slum. Suggest the method of solid waste disposal. What methods do you suggest for source reduction for solid waste?
2. Discuss tools of risk assessment. Add a note on risk communication.
3. As occupational health specialist, list the occupational health hazards for the persons working in among drillers in an underground gold mine. What preventive and control strategies do you suggest to prevent occupational diseases for the persons working in chemical industry.

### **SHORT ESSAY (Answer any ten)**

**10 X 05 = 50 Marks**

4. Classify occupational lung diseases. Write briefly about pneumoconiosis.
5. In absence of municipal collection system, how sewage from individual houses can be handled. Explain the advantages and disadvantages for the suggested method of disposal.
6. Discuss in detail the occupational cardiovascular diseases. List the agents in occupational set up that cause cardiovascular diseases.
7. List the water pollutants and their sources. What differentiate a point source of pollution from a non-point source explain with examples.
8. Occupational health is considered as a part of preventive medicine. Comment.
9. Write a note on indoor air pollution. Explain briefly Sick building syndrome.
10. Explain briefly the occupational disorders.
11. Explain purification of water by slow sand filtration method.
12. Explain in detail the occupational health hazards and occupational diseases in a health care industry.
13. Write a note on occupational asthma.
14. What is the Greenhouse effect? What are its effects on the environment?
15. Classify carcinogens and explain occupation lung cancers in detail.

### **OBJECTIVE TYPE (MCQ's, One word, True/False or One/Two Sentence)**

**10 X 02 = 20 Marks**

16. Ground water contamination
17. Idiopathic environmental intolerance
18. Chlorine demand and break point chlorination
19. Explain food web with an example.
20. Shift work and its impact on health and work
21. Briefly explain Segregation of biomedical waste.
22. List the health effects due to improper ergonomics in an IT industry.
23. Define LD50 and ED50.
24. Characteristics of environmental risk
25. List the methods of hazardous waste disposal.

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