QP CODE: 22100406

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Reg No : .....

Name : .....

B.VOC DEGREE EXAMINATIONS, JANUARY 2022

Fifth Semester

B.Voc Renewable Energy Technology and Management

RETTG504 - INDUSTRIAL HEALTH AND SAFETY

2019 Admission Onwards

83B235D1

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What are regulations and codes of practice?
2. Write two examples of ergonomics postures in the workplace.
3. What is ISO?
4. How can safety avoid the hazards?
5. What is HVAC ?
6. Give the safe systems of work for manual handling operations.
7. What is a fire extinguisher?
8. What is the importance of contingency arrangements?
9. Define Health and Safety Policy.
10. What is the survey method?
11. List the organisations where safety training is compulsory.
12. Name the important procedures taught in safety training?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Discuss the regulations and codes of practice.

14. Explain in detail about the methods for hazard identification.

15. What are the advantages of environmental monitoring?

16. Explain HFE.

17. What are the precautionary measures necessary in order to handle hazardous substances ?

18. Bring out a vivid picture of the investigation of accidents.

19. Explain the various techniques of risk assessment.

20. Explain the importance of Health and Safety Log-books in the organisation.

21. Explain the significance of providing awareness programs in the organisation.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Describe the control methods and reduction strategies for noise, radiation and other risk factors.

23. Explain in detail the relation of human factors engineering with workplace safety.

24. Discuss the major environmental issues.

25. Explain the factors to be considered during the design of the training programme.

(2×15=30)