

B.VOC. DEGREE EXAMINATION, JULY 2019**Fourth Semester****ENERGY AND ENVIRONMENT MANAGEMENT**

(For B.Voc Programme in Food Processing Technology)

Time : Three Hours

Maximum : 80 Marks

Part A

*Answer all questions briefly.
Each question carries 1 mark.*

1. What is energy crisis ?
2. What are fuels ?
3. What is meant by energy auditing ?
4. List out the importance of energy planning.
5. What are energy taxes ?
6. What are the requirements for fuel substitution ?
7. Explain the advantages of recycling.
8. Define residential energy audit.
9. What is meant by performance audit ?
10. What are the post audit activities ?

(10 × 1 = 10 marks)

Part B

*Answer any **eight** questions.
Each question carries 2 marks.*

11. What is meant by environmental crisis ? Explain.
12. Bring out the different energy sources.
13. What are the objectives of energy planning ?
14. List the advantages of energy accounting.
15. Write down the importance of sustainable energy management.

Turn over

16. Differentiate between internal audit and external audit.
17. Explain the need of minimisation of energy losses.
18. What are the aims of residential energy audit ?
19. List the different types of environmental audits.
20. Briefly explain audit planning.
21. What is meant by performance audits ?
22. State the validity of environmental pollution act.

(8 × 2 = 16 marks)

Part C

*Answer any six questions.
Each question carries 4 marks.*

23. Briefly discuss the role of economists in solving energy crisis.
24. Bring out the remedial measures for energy crisis.
25. Discuss the relevance and meaning of energy conservation.
26. Give a vivid picture of energy accounting.
27. Describe briefly on industrial energy audit.
28. Establish the need for various energy audit strategies.
29. Proper maintenance of the equipments will minimize the energy loss. Comment on this statement.
30. Give an account on ISO 19011 certification.
31. List out the legal requirements relating to environmental auditing.

(6 × 4 = 24 marks)

Part D

*Answer any two questions.
Each question carries 15 marks.*

32. Discuss the impact of energy consumption and production on environment.
33. Describe the major developments in energy management strategies.
34. Give a detailed account on preliminary, detailed, investment and industrial energy audits.
35. Bring out the methodologies for environmental audits.

(2 × 15 = 30 marks)