



QP CODE: 25021611



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Reg No :

Name :

B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Renewable Energy Management

REMTG602 - ENERGY MANAGEMENT AND AUDITING

2018 Admission Onwards

F3CC3D08

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What was the aim behind bringing up of energy policy and reforms related to Coal by the government?
2. Define energy security.
3. What is the difference between active and reactive power?
4. What is latent heat of vapourization?
5. Define ENCON.
6. Which are the factors that should be taken into account during procurement of fuels for energy efficiency and economics?
7. Write an example for matching energy usage to requirements.
8. Define controlling.
9. Define the role of an energy manager.
10. List any two ways to motivate staff and employees in an organization.
11. What is the use of a speedometer?
12. Write the difference between absolute pressure and guage pressure.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the classification of energy sources.





14. Explain tidal energy as a renewable energy source with its advantages and disadvantages.
15. Write down all the principles of energy management.
16. What is meant by matching energy usage to requirement?
17. Brief on Organizing Energy Management Programmers.
18. With a flow chart prepare a note on location of energy manager.
19. In addition to implementing the technical aspects of the action plan, what are the factors to be considered for implementing energy action planning?
20. Draw a circuit diagram to depict the connection of voltmeter and ammeter in an electrical system and explain.
21. Explain the working of Transit time ultrasonic meters with diagram.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Discuss on conventional energy resources, its advantages and disadvantages.
23. What is benchmarking? Explain major steps in Energy conservation benchmarking and its advantages.
24. Explain the importance of planning and training in energy action planning.
25. Which are the instruments used for flow Measurement of steam, water and air? Explain their working with diagrams.

(2×15=30)

