BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VI MECHANICAL :SUMMER- 2022
SUBJECT : ENERGY AUDIT & MANAGEMENT

Day : Thursday
Date : 23-06-2022

S-13455-2022

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks
3) Use of non – programmable **CALCULATOR** is allowed.
4) Assume suitable data if necessary.

Q.1 Why is conservation of energy important? **(10)**

OR

What are the duties of energy managers? **(10)**

Q.2 What is mass balance? **(10)**

OR

Explain the application of Shanky diagram. **(10)**

Q.3 Explain the steps involved in retrofitting a home. **(10)**

OR

How is IRR of a project calculated? **(10)**

Q.4 How can energy be conserved in a pump? **(10)**

OR

How can you minimize the supply and demand gap of energy? **(10)**

Q.5 What is thermal insulation? How is it helpful for energy management? **(10)**

OR

How is energy conserved in industrial heating systems? **(10)**

Q.6 What is the methodology to carry out an energy audit? **(10)**

OR

What are the duties and responsibilities of energy auditors? **(10)**

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