

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

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 30-11-2022

W-13455-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

Q.1 State the salient features of 2001 Energy Conservation Act. (10)

OR

Q.1 What are duties of energy manager?

Q.2 What is Shankey diagram? Where is it used? Describe with an example. (10)

OR

Q.2 Describe the process to carry out mass and energy balance. (10)

Q.3 What is MIRR? How does it help in calculating profitability of a project? (10)

OR

Q.3 What is retrofitting? Describe retrofitting at home. (10)

Q.4 What are the methods used to minimize supply demand gap? (10)

OR

Q.4 How does energy efficient motor help in energy management? (10)

Q.5 What are the applications of FBC? (10)

OR

Q.5 What is cogeneration? How does it help in waste heat recovery? (10)

Q.6 How is the audit of a building carried out? (10)

OR

Q.6 What are the duties and responsibilities of energy auditor? (10)

* * *