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**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

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**N.B.**

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

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