

Q.22 Explain the salient features of Eco NiwasSamhita.
(CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain the energy saving tips for the following systems: (CO1)

- i) Water Pump
- ii) Computer

Q.24 What are the different techniques involved in conducting energy Audit. Explain about it. (CO3)

Q.25 Discuss the features and application of energy efficient transformer. (CO2)

(**Note:** Course outcome/CO is for office use only)

No. of Printed Pages : 4
Roll No.

220964

6th Sem/ Electrical

Subject : Energy Conservation & Audit

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 BEE is established on- (CO1)

- a) 1st march 2001 b) 1st march 2002
- c) 1st march 2005 d) 1st march 2018

Q.2 Which of the following is important features of energy conservation ACT- (CO1)

- a) Standard & labeling
- b) Designated consumer
- c) ECBC
- d) All of the above

Q.3 The various types of the instrument which requires during audit need to be- (CO3)

- a) Easy to carry b) Easy to operate
- c) Inexpensive d) All of the above

Q.4 The transformer capacity is rated in term of (CO2)

- a) KW b) KVA
- c) KVAr d) HP

Q.5 Full form of ECBC is- (CO1)

- a) Energy conservation base code
- b) Energy conservation base center
- c) Energy conservation building code
- d) Energy conservation building center

Q.6 Elements of energy management includes- (CO1)

- a) Energy strategy b) Energy policy
- c) Energy planning d) All of the above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is primary energy. (CO1)
- Q.8 HVAC stands for_____ (CO3)
- Q.9 In star rating_____ point scale is used. (CO2)
- Q.10 Define load factor. (CO1)

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Q.11 What is star labeling. (CO1)

Q.12 Writes the full form of ENS. (Co1)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What is the primary objective of energy Audit. (CO3)

Q.14 Explain in briefly about automatic power factor controllers(APFC). (CO2)

Q.15 Compares the energy efficient motor with standard motor. (CO2)

Q.16 What are the energy saving tips in Room Air Conditioners. (CO1)

Q.17 Discuss the various components used for energy Audit. (CO3)

Q.18 Write short notes on energy conservation ACT 2001. (CO3)

Q.19 What are the energy saving tips in lighting. (CO2)

Q.20 What is star labeling? States its needs and benefits. (CO1)

Q.21 Explain the role of bureau of energy efficiency (BEE). (CO1)

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