Q.29 Writes short note on energy efficiency potential in India. (CO1)

Q.30 What is star labeling? States its needs and benefits. (CO3)

Q.31 Why it is important to conserve energy? (CO1)

Q.32 Explain in briefly the evolution of EIA. (CO3)

Q.33 Writes a short note on working of a CFL and also mentions its's advantageous. (CO2)

Q.34 Writes a short note on walk through energy Audit. (CO3)

Q.35 Define about building Envelope. (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 What are the energy saving opportunities in refrigeration and air condition plant. (CO2)

Q.37 Explain the various losses that occurs in standard motor. How these losses are reduced in energy efficiency motors? (CO3)

Q.38 Describe the basic reasons of power crisis in India. (CO1)

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6th Sem / Elect, Power Station Engg.
Subject:- Energy Management

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

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 _____ has been formulated by Bureau of energy efficient - (CO2)

a) Star labeling program
b) Computer program
c) Ranking program
d) none of the above

Q.4 BEE is under ministry of- (CO1)

a) Health b) Defense
c) Power d) All of the above

Q.5 The unit of luminous flux is - (CO2)

a) Steradian b) Candela
c) Lumen d) Lux

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

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

Q.7 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.8 The transformer capacity is rated in term of - (CO2)

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

Q.9 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.10 Detailed Audit is also called- (CO3)

a) General Audit b) Screening Audit
c) Side energy Audit d) Both a & b

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 How we can correct power factor? (CO2)

Q.12 What do you mean by mini Audit. (CO3)

Q.13 What is primary energy. (CO1)

Q.14 What is the full form of CFL_____ (CO2)

Q.15 HVAC stands for_____ (CO3)

Q.16 Define the efficiency of light source? (CO2)

Q.17 In star rating _____ point scale is used. (CO2)

Q.18 Define load factor. (CO1)

Q.19 What do you mean by non-conventional energy resources. (CO2)

Q.20 Full form of LED. (CO1)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Define the diversity factor? (CO2)

Q.22 What is the primary objective of energy Audit. (CO3)

Q.23 What are the advantages of power factor improvements. (CO2)

Q.24 Compares the energy efficient motor with standard motor. (CO2)

Q.25 Define the energy audit. What do you mean by energy Audit? (CO3)

Q.26 What are the principle of energy management? (CO1)

Q.27 What is energy efficiency? (CO2)

Q.28 Write short notes on energy conservation ACT 2001. (CO1)