

22312

12425

03 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

-
- Instructions* – (1) All Questions are *Compulsory*.
(2) Illustrate your answers with neat sketches wherever necessary.
(3) Figures to the right indicate full marks.
(4) Assume suitable data, if necessary.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any FIVE of the following :** **10**
- a) State various units of energy. (Any four)
 - b) Write advantages and disadvantages of hydropower.
 - c) Enlist duties of manager. (Any four)
 - d) Write benefits of insurance. (Any four)
 - e) What is mean by direct and indirect cost.
 - f) Enlist methods for calculation of depreciation.
 - g) State need of energy conservation.

P.T.O.

- 2. Attempt any THREE of the following :** **12**
- a) Write in detail sources and classification of energy.
 - b) Describe environmental benefits and problem of wind energy.
 - c) Explain concept and procedure of detailed energy audit.
 - d) Describe pay out period method with advantages.
- 3. Attempt any THREE of the following :** **12**
- a) Describe the objective of energy policy in chemical industry.
 - b) Enlist benefit of hydrogen energy as future energy.
 - c) Explain in detail concept of geothermal energy.
 - d) Describe the importance of energy conservation in chemical industries.
- 4. Attempt any THREE of the following :** **12**
- a) Write comparison of traditional energy technology and clean energy technology.
 - b) Draw neat sketch of Biogas plant.
 - c) Compare renewable and nonrenewable sources of energy.
(Six points)
 - d) Explain energy security.
 - e) Write role and responsibility of energy auditor.
- 5. Attempt any TWO of the following :** **12**
- a) Describe is short
 - i) Total cost
 - ii) Fixed cost
 - iii) Variable cost
 - iv) Direct and indirect cost
 - b) Write objectives of cost accounting.
 - c) Explain any two methods of depreciation calculation.

6. Attempt any TWO of the following :**12**

- a) Explain different types of taxes.
 - b) An equipment is having life or 12 years is purchased at Rs. 10,000/-. Its salvage value is Rs. 2000/-. Using straight line method find depreciation cost at the end of 6th year.
 - c) Bank loan of Rs. 1,00,000/- is taken for set up business at the rate of 8% for 5 years. Calculate the amount of interest to be paid.
 - i) By simple interest method
 - ii) Compounding interest method.
-