

EE/EX-605**B.E. VI Semester**

Examination, June 2017

Energy Conservation And Management**Time : Three Hours****Maximum Marks : 70**

- Note:** i) Answer any five questions.
ii) All questions carry equal marks.

1. Explain various types of energy audit.
2. List the various energy auditing equipment and their uses.
3. Write about various waste heat recovery techniques.
4. Write about thermal energy audit in air conditioning.
5. Compare various economic analysis techniques on the basis of their usage and suitability for different cases.
6. How energy can be stored in electrical and mechanical system?
7. What do you understand by simulation? What are the advantages of simulation and modeling?

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8. Answer any four of the following:

- a) Draw material energy flow diagram and explain.
- b) Discuss the importance of predictive and preventive maintenance.
- c) Draw daily load curve and explain.
- d) What are the application of Variable Speed Drives (VSD)?
- e) Suggest major energy conservation measures for industries.
- f) List the measures you can plan in general lighting system.

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