

Roll No

EE/EX-605 (GS)**B.E. VI Semester**

Examination, December 2017

Grading System (GS)**Energy Conservation And Management***Time : Three Hours**Maximum Marks : 70**Note:* i) Attempt any five questions.

ii) All questions carry equal marks.

1. Describe the role of energy manager for energy management.
2. What are the different parameters monitored during energy audit? Explain in detail.
3. Explain predictive and preventive maintenance in energy conservation.
4. State and explain the second laws of thermodynamics.
5. Explain the demand side management in power system.
6. Explain the different types of tariffs used for electricity consumers.

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7. Discuss the methods to improve power factor.

8. Answer any four of the following:

- a) What is energy management?
- b) Write a note on semi liquid lubricants.
- c) Write a short note on IRR.
- d) What are the disadvantages of poor power factor?
- e) What are the benefits of energy conservation?
- f) Enlist the advantages of co-generation system.

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