Instructions to Candidates:
- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

1A.	Differentiate between energy accounting and energy auditing.	*(05)*
1B.	Give an account of the Electricity Act 2003 bringing out the new features which are different from the existing legal provisions.	*(05)*
2A.	Explain the theory behind economic load dispatch. Explain various methods for achieving economic load dispatch.	*(05)*
2B.	What are the different techniques used for demand side management?	*(05)*
3A.	Illustrate a few applications of custom power devises for power system.	*(05)*
3B.	What is Energy Management System? Explain EMS architecture.	*(05)*
4A.	Explain various states of power systems with relevant block diagrams.	*(05)*
4B.	Explain SCADA and its hardware and software implementation.	*(05)*
5A.	Bring out the differences between SCADA and DCS.	*(05)*
5B.	Explain IEC 61850 standard for SCADA bringing out the salient features.	*(05)*