

Roll No. ....

**24323**

**B. Tech 6th Semester (EE)  
Examination – May, 2018**

**ELECTRICAL POWER GENERATION**

Paper : EE-318-F

Time : Three Hours ] [ Maximum Marks : 100

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Question No. 1 (Section A) is *compulsory*. Attempt *four* more questions from remaining *four* Sections (B, C, D & E) by selecting at least *one* question from each Section. All questions carry equal marks.

**SECTION – A**

- 1. (a) Define Depreciation. 5
- (b) What do you mean by energy source in power system ? 5

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P. T. O.

- (c) Discuss the general points for selection of site of a Generating Station. 5
- (d) Discuss co-generation in brief. 5

**SECTION – B**

- 2. Discuss Recent trends in Power Generation and explain Interconnected Generation of Power Plants. 20
- 3. Discuss and explain the different energy sources and their availability in detail. 20

**SECTION – C**

- 4. What do you mean by load forecasting ? Explain Load curves and load duration curves in detail. 20
- 5. What do you mean by Load factor ? Discuss the significance of load factor and explain plant factor and capacity factor in detail. 20

**SECTION – D**

- 6. Draw Schematic diagram of Nuclear Power Plant and explain the working in detail. 20

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7. Discuss M. H. D. System in detail. 20

**SECTION – E**

8. Discuss and explain the energy conservation and management in detail. 20

9. Write short note on : 20

(a) Energy Audit

(b) Energy Efficient Motors

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