

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

- (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

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
