

**Unit test II**  
**Karpagam College of Engineering, Coimbatore**  
**15LC09/15TC09 Electrical Engineering**

**PART A**

**ANSWER ALL QUESTIONS**

**2 X 5 = 10**

- A1. Differentiate Conventional and Non-Conventional Energy Sources
- A2. Mention the advantages of high voltage transmission
- A3. Classify steam turbines used in thermal power plant
- A4. Compare overhead and underground transmission system
- A5. What are the components of nuclear power generating station?

**PART B**

**ANSWER ANY ONE QUESTION**

**1 X 15 = 15**

B1 (a)	(i)	Draw and explain the schematic arrangements of thermal power plant	(7)
	(ii)	List out the differences between under-ground and over-head lines of power transmission.	(6)
	(iii)	Explain the various components of distribution system.	(4)
		(OR)	
(b)	(i)	Draw and explain the schematic arrangement of hydro-electric power plant	(6)
	(ii)	How the wind energy is converted into electrical energy? Explain in detail.	(5)
	(iii)	State the advantages and disadvantages of nuclear power plant	(4)

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