**RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY & MANAGEMENT, GZB**

**1st Sessional Examination 2017-18 (Odd Semester)**

**Roll No.:**  **Subject Name: PSP**

**Year/Branch**: 4th/EN **Subject Code:** NEN-702

**Max Time: 1 Hours 30 Minute Max Marks: 50**

**SECTION-A**

**Q.1 Attempt all parts carries equal marks. Write answer of each part in short. (2x5=10)**

(a) What are primary and secondary energy resources?

(b) List the various sources of Energy.

(c) What is energy Conservation?

(d) How you will define Thermal efficiency of Steam Power plant

(e) Why we used Super heater?

**SECTION-B**

**Note: Attempt any five questions from this section. (5x5=25)**

Q.2 Explain the basic principle used in Thermal Power plant?

Q.3 List the criteria for site selection of Thermal Power plant

Q.4 In India 65-70 % generation is coal and hydro dependent. Comment on this.

Q.5 Explain the construction and basic principle used in Hydro Power plant?

Q.6 List the criteria for site selection of Thermal Power plant

Q.7 Differentiate between Nuclear Fusion and Nuclear Fission.

Q.8 Write the function of Economiser and Air pre heater

Q.9 Differentiate between Thermal and Hydro Power plant.

**SECTION-C**

**Note: Attempt any two questions from this section. (7.5x2=15)**

Q.10 Differentiate between Impulse turbine and Kaplan turbine.

Q.11 Explain the schematic diagram of Thermal power plant and explain its all parts.

Q.12 Explain the schematic diagram of Hydro power plant and explain its all parts.