

Total No. of Pages: 2

Register Number:

**7214**

Name of the Candidate:

**M.B.A. DEGREE EXAMINATION - 2015**

**(ENERGY MANAGEMENT)**

**(SECOND YEAR)**

**(PAPER – X)**

**220. ENERGY EFFICIENCY IN THERMAL UTILITIES**

*May)*

*(Time: 3 Hours*

Maximum: 75 Marks

**SECTION – A**

**Answer any FIVE questions.**

**(5 × 3 = 15)**

1. What are liquid fuels?
2. List out the principle of combustion in brief.
3. What is a boiler?
4. What is a furnace?
5. What are refractories?
6. What is FBC boiler?
7. What is cogeneration?
8. What are thermo compressors?

**SECTION – B**

**Answer any THREE questions:**

**(3 × 10 = 30)**

9. Distinguish solid fuels and gaseous fuels.
10. Explain the functioning of a boiler.
11. What are the characteristics of a furnace?
12. How will you select a refractory?
13. Discuss the merits of cogeneration system.

**SECTION – C**

**Answer any ONE question:**

**(1 × 15 = 15)**

14. Explain the performance assessment methods for stream straps.
15. Discuss the types and application of insulation.
16. Explain the classification of heat loss and recovery system.

**SECTION – D**

**Compulsory question:**

**(1 × 15 = 15)**

17. Explain the mechanism of fluidised bed combustion boilers.

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