



**DEHRADUN**

**End Semester Examination – April, 2018**

**Name of the Program: MBA (Power)**

**Semester – IV**

**Subject Name : Integrated Power Resources Management and Power Sector Planning**

**Max. Marks : 100**

**Subject Code : MDSP 863**

**Duration : 3 Hrs**

**Section – A (5 marks \* 6 = 30 Marks)**

**Discuss the following in brief:**

1. Electricity-GDP Elasticity
2. Sustainable Development
3. Energy Security
4. Zero Carbon Footprint
5. Integrated Power Resources Management
6. AT&C Losses

**Section – B (15 marks \* 3 = 45 Marks)**

**Answer any three questions.**

7. Climate Change concerns and Sustainable Development initiatives have changed the entire landscape of global power sector like never before. Justify citing examples.
8. Discuss the factors to be considered for forecasting demand for power in India.
9. Recent trends in power sector indicate the need for Smart Grid implementation and integration of Power Storage facilities to the grid. Justify.
10. Discuss the salient features of Draft National Electricity Plan 2016 and its impact on the Indian power sector.

**Section – C (25 marks \* 1 = 25 Marks)**

**Answer any one question.**

11. Briefly explain the major objectives of Indian power sector. As a planner, discuss an integrated power resource management strategy to attain the objectives.
  12. Cities such as Dubai and Masdar are classic examples of integrated resource management. Discuss the lessons for India from such innovative practices in Dubai and Masdar.
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