

Dr. Babasaheb Ambedkar Technological University Lonere-Raigad
First Test Examination: September 2012
Class: B. Tech. Mechanical Engineering Semester: I
Subject: Energy and Environmental Engineering

Time: 1 hour

Maximum Marks: 15

Instructions: 1. All questions are compulsory
2. Marks to the right indicate full marks

1. Give brief classification of the conventional and non-conventional energy resources using the flow chart.
2. Explain with a neat sketch the working of coal based power plant.
3. Discuss in brief the principle and working of solar photovoltaic cell with a line sketch.
4. Differentiate between vertical wind mill and the horizontal wind mill considering at least four aspects of the wind mills.

Dr. Babasaheb Ambedkar Technological University Lonere-Raigad
First Test Examination: September 2012
Class: B. Tech. Mechanical Engineering Semester: I
Subject: Energy and Environmental Engineering

Time: 1 hour

Maximum Marks: 15

Instructions: 1. All questions are compulsory
2. Marks to the right indicate full marks

1. Give brief classification of the conventional and non-conventional energy resources using the flow chart.
2. Explain with a neat sketch the working of coal based power plant.
3. Discuss in brief the principle and working of solar photovoltaic cell with a line sketch.
4. Differentiate between vertical wind mill and the horizontal wind mill considering at least four aspects of the wind mills.
