(a) Evaporation

5. By which process solar energy is converted into chemical energy

(b) Greenhouse effect (c) Photosynthesis (d) None of these

(a) Electricity (b) Trees (c) Wind (d) Water

4. What is one example of Biomass

(a) Vertically (b) Horizontally (c) Both vertically & Horizontally (d)None of these

3. In which way does the Darrieus rotor spin

(a) True

(b) False

2. A windmill is an example of a turbine

(c) Organic matter that can be converted to fuel

(a) Large Living things 1. Biomass is described as

(b) Inorganic matter that can be converted to fuel

(d) Petroleum

0.1

Attempt following Questions by choosing option

and should mention it clearly.

Instructions to the Students:

If some part or parameter is noticed to be missing, you may appropriately assume it

(Level/CO

Marks

1 X 6

8

Illustrate your answers with neat sketches, diagram etc., wherever necessary

Max Marks: 20

Subject Name: Elective -I Renewable Energy Sources

Date: - 9/10/2019

Duration:- 1 Hr.

Subject Code:BTCHE306B

Sem: III

Course: B. Tech. in Chemical Engineering

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination - Sep/Oct 2019

8

CO

CO3

www.FirstRanker.com

C₀1

(b) 3rd world countries could have affordable energy

(a) Electricity & power could become much cheaper 6. What is one disadvantage of renewable energy

(d) Most sources are expensive to get started (c) Many people could become energy independent

Solve Any Two of the following.

0.2

Ð What are renewable and nonrenewable energy sources? Give applications

 \mathbf{B} Describe the main considerations in selecting a site for wind energy generators

CO3 **CO**2 COI

2 X 3

3 What are the instruments used for measuring solar radiations? Describe any two with sketches

Q. 3 Solve Any One of the following.

3 Explain various types of solar radiations? Explain working of flat plate collectors

CO3

X 8

C04

B sketches. Discuss advantage and disadvantage of it. Explain briefly the construction of working of horizontal and vertical axis wind turbine with neat

rstRanker.com

*** End ***

