Enrollment No: Exam Seat No:

C.U.SHAH UNIVERSITY

WADHWAN CITY

University (Winter) Examination -2013

Course Name: Diploma (Engineering) Sem-I Subject Name: -Environment Science & Energy Management

Marks:70

Duration :- 2:30 Hours Date: 04/01/2014

instruction
(1) Attempt a
(2) Use of Pro
(3) Instruction

- ll Questions of both sections in same answer book / Supplementary.
- ogrammable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4)Draw neat diagrams & figures (If necessary) at right places.
- (5) Assume suitable & Perfect data if needed.

SECTION-I

Que: 1 Answer the following questions. 1) Give the names of different regions of the atmosphere. 2) Define: Complete and In-complete ecosystem. 3) Give the reasons of abuses of land.

	(1)
	(2)
	(2)

4) Write down the names of green house gases.

(2)

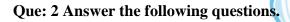
(4)

Que: 2 Answer the following questions.

1)	Explain Food chain with neat and clean diagram.	(5)
2)	Explain types of land based on area.	(5)

		1 1101/12
3)	State the effect of acid rain.	JAH UNIVER

OR



1)	Write a short notes on: a) Hydrosphere and b) Biosphere.	(5)
2)	State the importance of forest in the environment.	(5)

		, ,
3)	What is C.F.C.? Explain.	(4)

Que: 3 Answer the following questions.

1)	Explain different regions of the atmosphere with neat and clean sketch.	(7)

2) Write a short note on: Hydrological cycle.	(7	7))
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OR

Que: 3 Answer the following questions.

1)	Explain remote sensing with figure.	(7)
2)	Explain green house effect and state its impacts too.	(7)

(7)

SECTION-II

Que: 4 Answer the following questions.

1)	Give the name of conventional and non-conventional sources	
	of energy. (any two names)	(2)
2)	What are the advantages of (box-type) solar cooker?	(2)
3)	Draw only the figure of horizontal Axis – Dutch type wind mill.	(2)
4)	What are the byproducts of the photosynthesis process?	(1)

Que: 5 Answer the following questions.

	State the limitations of Renewable sources of energy. Write down the applications of the solar cells.	(5) (5)
	Write Short note: Energy conservation in domestic appliances.	(4)
	OR	
Que 5	Answer the following questions.	
2)	Give the distinction between Conventional and Non-conventional sources of energy. Write a short note on: Site selection for Biogas-plants. State the advantages and dis-advantages of wind – power energy.	(5) (5) (4)
Que: 6	6 Answer the following questions.	
1) 2)	Explain Solar cooker (box-type) Explain fixed dome type biogas plant (Janta model) with neat and clean	(7)
	diagram. OR	(7)
Que: 6	6 Answer the following questions.	
	State the construction and working of Smokeless Stoves (Nirdhoom Chulh with figure. State its applications too. Explain photosynthesis process and stages of photosynthesis process. Also explain the factors affecting Photosynthesis process. **********************************	(7)