

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

**Subject Name : Environmental Science**

**Subject Code :4AH02ENS1 Branch : B.A.(GUJ)**

**Semester : 2**

**Date : 19/11/2015 Time : 10:30am To 01:30pm**

**Marks : 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q:1

Answer the following questions.

(14)

- a) Give the definition of ecology.
- b) In which layer of the atmosphere ozone layer exist?
- c) Name the major component of the ecosystem.
- d) Give any two applications of the geothermal energy.
- e) Give any two names of renewable sources of energy.
- f) what is tidal energy?
- g) write down the names of the water quality parameters.
- h) Define: Primary pollutants of air pollution.
- i) Give any one reason for causes of land pollution.
- j) Enlist the sources of noise pollution.
- k) what is the necessity to conserve water resources?
- l) State the reasons for causing the deforestation.
- m) Define: Photosynthesis
- n) write down uses of CFC.



**Answer any four questions from Q-2 To Q-8**

<b>Q-2</b>	<b>Attempt all questions</b>	
1	explain different spheres of atmosphere with necessary diagram.	7
2	Explain Hydrological cycle with figure.	7
<b>Q-3</b>	<b>Attempt all questions</b>	
1	write a short note on: Desert Ecosystem	5
2	Explain Pyramids of number with its limitations.	5
3	Draw the figure of combine effect of interaction between the different components of the environment and explain any two of them.	4
<b>Q-4</b>	<b>Attempt all questions</b>	
1	Write a note on: Non renewable energy sources.	5
2	Enlist different surface water sources. Explain any two of them.	5
3	What is the necessity of Afforestation? Explain.	4
<b>Q-5</b>	<b>Attempt all questions</b>	
1	Give the importance of forest in the environment.	7
2	Explain conventional energy sources with its advantages and disadvantage.	7
<b>Q-6</b>	<b>Attempt all questions</b>	
1	Write a note on : Solar energy	5
2	Explain about Biomass energy.	5
3	How the water pollution can be controlled.4	4
<b>Q-7</b>	<b>Attempt all questions</b>	
1	Write a note on : Land Pollution.	7
2	Write a note on: Green house effect	7
<b>Q-8</b>	<b>Attempt all questions</b>	
1	State the conservation of the forest.	7
2	Write a note on : Wind energy.	7



5|`G v! GLR[GF NZ[S 5|`GMGF HJFA VF5MP s!\$f  
!f .SM,MÒ s 5|ZI:YIT IJ7FG fGL jIFbIF VF5M  
Zf JFTFJZ6GF SIF IJ:TFZDF\ VMhMGG]\ 5|DF6 ;F{YL  
JWFZ[CMI K[ m  
#f IGJ;G T\+GF D]bl 38SMGF GFD H6FJM.  
\$f ÒVMYD", s E]vplQDI f pHF"GF SM. 56 A[ GFD H6FJM  
5f 5]Go 5|F%i pHF" :+MTMGF A[ GFD H6FJM.  
&f EZTLHgl pHF" V[8,[ X]\ m  
\*f JM8Z SJM,L8L s 5F6L U]6JTF f 5[ZFDL8ZGF OST  
GFD H6FJM  
(f CJFGF 5|N]QFSM 5{SL 5|FYIDS 5|N]QFS jIFbIFTLT  
SZMP  
)f HDLG 5|N]QF6 DF8[ HJFANFZ SM.56 V[S SFZ6  
H6FJM  
!\_f VJFH 5|N]QF6GF :+MTMGF GFD H6FJM  
!!f H,:+MTMG]\ ;\Z1F6 SZJFGL H~ZLIFT H6FJM  
!Zf I0OMZ:8[XG s JG pgD},G f YJFGF SFZ6M H6FJM.  
!#f jIFbIF VF5M ov 5|SFX ;\` ,[QF6  
! cfc GF p5IMUM ,BM  
\$f

GLR[GF 5|`GMDF\YL SM.56 RFZ (Q-2 To Q-8) 5|`GMGF HJFA VF5M

5|`Gv GLR[GF 5|`GMGF HJFA VF5M



Z

5 `Gv	!f IMuI VFS'IT ;FY[ JFTFJZ6GF IJEFUM ;DHFJM	s*f
#	Zf VFS'IT;FY[ H,LI RS  ;DHFJM	s*f
	GLR[GF 5 `GMGF HJFA VF5M	

!f	8]\S GM\W ,BM ov Z6G]\ IGJ;GT\+	s5f
Zf	;\bIF I5ZFDL0 ;DHFJM TYF T[GL DIF"NFVM ,BM	s5f
#f	5IF"JZ6GF H]NF H]NF 38SMGL ;\I]ST V;Z NXF"JTL	s\$f
	VFS'IT NMZM\ TYF T[DFGF SM.56 A[ 38SM IJX[	
	;DHFJM	

5 `Gv	GLR[GF 5 `GMGF HJFA VF5M	
\$		

!f	8]\SGM\W ,BM ov 5]Go V5 F%i pHF"GF :+MTM	s5f
Zf	;5F8L 5ZGF 5F6LGF :+MTMGF GFD H6FJMP	s5f
	T[DF\YL SM.56 A[ IJX[ ;DHFJM	

#f	V[OMZ:8[XG s JGLSZ6 f GL H~ZLIFT X]\ K[ m T[	s\$f
	;DHFJM	

5 `Gv	GLR[GF 5 `GMGF HJFA VF5M	
5		

!f	5IF"JZ6DF\ H\U,G]\ DCtJ X]\ K[ m T[ H6FJM	s*f
Zf	5Z\5ZFUT pHF"GF :+MTM IJX[ ;DHFJL T[GF	s*f
	OFINFVM VG[ U[ZOFINFVM H6FJM	

5 `Gv	GLR[GF 5 `GMGF HJFA VF5MP	
&		

!f	8]\S GM\W ,BM ov ;M,FZ V[GÒ" s ;]I" pHF" f	s5f
Zf	AFIMDF; pHF" IJX[ ;DH]TL VF5M	s5f
#f	5F6LG]\ 5 N]QF6 S. ZLT[ IG \+LT SZL XSFI T[ H6FJM	s\$f



5|`Gv  
\*

GLR[GF 5|`GMGF HJFA VF5MP

!f GM\W ,BM ov HDLG 5|N]QF6

s\*f

Zf GM\W ,BM ov U|LG CFp; V;Z

s\*f

5|`Gv  
(

GLR[GF 5|`GMGF HJFA VF5MP

!f H\U,G] \ ;\Z1F6 ;DHFJM

s\*f

Zf 8]\S GM\W ,BM ov 5JG pHF

s\*f

