Na	me :	• • • • • • •			• • • • • • • • • • • • • • • • • • • •	•••••	
Rol	l No.	:		••••••		••••	V
Inv	igilat	or's S	Ignature :	•••••	••••••	•••••	d ,
			201	10	-4/HU(B		1/2010
		1	ENVIRONMENT	AND I	ECOLO	GY	
Tim	e All	otted	: 3 Hours			Full Ma	rkş : 70
C	andia	lates	ne figures in the marginare required to give the as far as GROUI	eir ans practic	wers in ti able.	ielr own	ı words
1.	Choose the correct alternated following:				for an		of the × 1 = 10
	i)	Wh	ich of the following ac	cids is p	resent in	norma	rain?
		a)	Carbonic acid	b)	Sulphu	ric acid	
	•	c)	Hydrocarbonic acid	d)	Nitric a	cid.	
	ii)	Tric	kling filter is used ur	ıder			
		a)	Primary treatment	b)	Seconda	ary trea	tment
*		c)	Tertiary treatment	d)	Advance	ed treat	ment

El Nino is natural phenomenon that is observed on

b)

4225

a)

c)

Indian ocean

Pacific ocean

[Turn over

Bay of Bengal

All of these.

CS/BCA/SEM-4/HU(BCA)-401/2010

iv)	W	nich one of the following	is bi	otic factor of ecosystem				
	a)	Solar energy	b)	Temperature				
	c)	Soil	d)	Consumer.				
v)	n en							
	a)	3rd December, 1986	b)	3rd December, 1984				
	c)	3rd June, 1986	d)	3rd June, 1984.				
vi)	Tin	nitus is a disease cause	d by					
	a) ·	Air pollution	b)	Water pollution				
	c)	Land pollution	d)	Noise pollution.				
vii)	Identify the cause of eutrophication:							
	a)	Increase of pathogen						
	b)	Increase of COD						
	c)	Increase of algae prod	uctiv	ity				
	d)	Increase of DO.						
viii)	Lith	nosphere consist of						
en Linguista de	a) Earth's crust, mantle and core							
	b)	soil and rock						
	c)	only soil						
	d)	magma and soil.						
ix)	elebrated on							
	a)	4th January	b)	5th June				
	c)	12th December	d)	15th June.				
x)	Greenhouse effect is caused by							
	a)		b)	CO_2				
	c)	SO ₂	d)	N_2				
			ш,	**2				

CS/BCA/SEM-4/HU(BCA)-401/2010

- xi) Long distance radio communication is possible due to presence of
 - a) Troposphere
- b) Stratosphere
- c) Thermosphere
- d) Exosphere,
- xii) Stone cancer of Taj Mahal is caused by
 - a) Acid rain
- b) Smog

c) UV ray

d) CFC.

GROUP – B (Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. Define and classify the biotic components of ecosystem.
- 3. What is ecological pyramid? Give suitable example.
- 4. Define Global warming. State how the greenhouse gases cause global warming.
- 5. Highlight the impact of noise pollution on human health.
- 6. Draw a Schematic diagram of waste water treatment.

GROUP - C

(Long Answer Type Questions)

Answer any three of the following.

 $3 \times 15 = 45$

- 7. a) How are the pollutants dispersed in the form of smoke from the chimney of industries? When and why was the "Green Bench" setup?
 - b) State the role of NGOs in environmental protection.

(7+3)+5

4225

3

[Turn over

CS/BCA/SEM-4/HU(BCA)-401/2010

- 8. State the impact of CO_2 on global warming. Explain the effect of CO on human health. What are primary & secondary pollutants? Explain how primary pollutant is transformed into secondary pollutant. 4+6+2+3
- 9. What do you mean by eutrophication? Explain with the help of diagram, the three-stage sewage treatment. What is hydrosphere? Mention the major sources of ground water pollution.
 3+5+3+4
- 10. What is 'Chipko Movement'? Give an explanation on Chipko Movement. State the impact of this movement in Indian society.
- 11. Write notes on any three of the following:

 3×5

- i) Pollution Control Board of India
- ii) Stockhome Conference, 1972
- iii) Ganga Action Plan
- iv) Ozone layer depletion
- v) Bio-diversity.

4225