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.		oose owing	the correct altern	natives	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)	ii) Trickling filter is used under								
		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)

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a)

c)

Indian ocean

Pacific ocean

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Bay of Bengal

All of these.

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iv)	. WI	nich one of the following	is bi	otic factor of ecosystem					
	a)	Solar energy	b)	Temperature					
	c)	Soil	d)	Consumer.					
v)	Bh	opal gas tragedy happer	ned o	n					
	a)	3rd December, 1986	b)	3rd December, 1984					
	c)	3rd June, 1986	d)	3rd June, 1984.					
vi)	Tin	initus is a disease cause	d by						
	а) ·	Air pollution	b)	Water pollution					
	c)	Land pollution	d)	Noise pollution.					
vii)									
	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) The World Environment Day is celebrated 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					
			٠.,	**2*					

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- 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

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- 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.

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