Chapter 10

Environmental Issues

Solutions

SECTION - A

			OLOTIO	14 - /	٦.				
	Objective Type Questions								
(Air	Pollution and its control)								
1.	is highly haza	rdou	s to animal health but o	on pla	nts this gas does no	t seer	n to show adverse effec		
	(1) CO	(2)	CO ₂	(3)	SO ₂	(4)	NO ₂		
Sol.	Answer (1)					: 0			
2.	NO _x contributes to all, exc	ept				30	18-		
	(1) Secondary pollutant for	rmati	on	(2)	Acid rains	ini			
	(3) Pheophytization			(4)	Photochemical smo	og			
Sol.	Answer (3)				CSIMIL				
	NO _x does not contribute to	phe	ophytization.		CV anal				
0	^		A 6/ASY		Callo				
3.	Which of the following devi	ice c	an control air pollution?	/ /	Figure				
	(1) Scrubbers			(2)	Effluent treatment				
	(3) Electrostatic precipitate	or	(3)	(4)	Both (1) & (3)				
Sol.	Answer (4)		70;	5					
	Air pollution is controlled b	y sci	rubbers and electrostat	tic pre	ecipitation.				
4.	Acoustic zoning is related	with	4.						
	(1) Soil pollution	(2)	Noise pollution	(3)	Water Pollution	(4)	Air pollution		
Sol.	Answer (2)	()	,	(-)		()	ļ		
	Acoustic zoning is related	with	noise pollution.						
_	NAME TO LEAST OF THE COMMON CO			10					
5.	Which one of the following	pair	•	ea?					
	(1) NEERI	-	Nagpur						
	(2) Byssinosis	-	Lung fibrosis due to in	-	articles				
	(3) Hay fever	-	Skin allergy and asth	ma					
	(4) Photochemical smog	-	Inhibits ETS						
Sol.	Answer (2)								

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Byssinosis caused by cotton dust.

6.	Acid	rain
υ.		ıaııı

- (a) Causes necrosis
- (b) Convert chlorophyll-a into phaeophytin
- (c) Responsible for formation of PAN
- (1) Only (a) and (b) are correct

(2) Only (b) and (c) are correct

(3) Only (a) is correct

(4) Only (c) is correct

Sol. Answer (1)

Acid rain causes necrosis and converts chlorophylls into phaeophytin.

- 7. Which is not an effect of acidic rain in a pond?
 - (1) Increased fungal growth

(2) Decreased insect population

(3) Increased growth of green algae

(4) $NO_3^- \& SO_4^{2-}$ saturation

Sol. Answer (3)

Acid rain in pond decreased the growth of green algae.

- A chemical weed in troposphere and protectant in stratosphere is
 - (1) CH₄

- (3) CFC

Sol. Answer (2)

A chemical weed in trophosphere and protection in stratosphere is ozone.

(Water Pollution and its control)

- Eutrophication includes all, except
 - Heavy growth of BGA

Decreased DO

(3) Death of submerged organism

Finally decreased COD

Sol. Answer (4)

Eutrophication finally increased COD (Chemical Oxygen Demand).

- 10. Presence of *E.coli* in water indicates
 - (1) Water is clear
- (2) Water is fully polluted (3) Inorganic pollution (4) Faecal pollution

Sol. Answer (4)

Presence of Escherichia coli in waste indicates faecal pollution.

- 11. Release of phosphates and nitrates in water bodies (i.e., in rivers and lakes) leads to
 - (1) Nutrient enrichment (eutrophication)

(2) Reduced algal growth

(3) Increased algal growth

(4) Increased growth of decomposers

Sol. Answer (3)

Release of phosphate and nitrates in water bodies causes eutrophication that lead the increased algal growth.

- 12. Select the correct statement from the following
 - (1) A mere 0.1% impurities cannot make domestic sewage unfit for human use
 - (2) High concentrations of DDT disturb calcium metabolism in birds.
 - (3) Phaeophytization in lichens is caused due to nitrogen oxides
 - (4) 'Bad' ozone as well as 'good' ozone both are found in the upper part of the atmosphere.

Sol. Answer (2)

High concentration of DDT disturb calcium metabolism in birds due to biomagnification.

13.	Wa	ater pollution is best assessed by o	dete	rmining	
	(1)	DO		(2)	BOD and turbidity
	(3)	DO and acidity		(4)	Hardness and alkalinity
Sol.	An	swer (2)			
	Wa	ater pollution is best monitored by	BOI	O and turbidity.	
14.	No	n-point source of water pollution is			
	(1)	Sewage outlet		(2)	Effluents from a factory
	(3)	Agricultural runoff		(4)	All of these
Sol.	An	swer (3)			
	No	n-point source of water pollution is	agr	icultural runoff.	
15.	DC	O(dissolved O ₂) of water	_ wit	h an increase in te	emperature.
	(1)	Decreases		(2)	Increases
	(3)	Remains constant		(4)	First increases then decreases
Sol.	An	swer (1)			
	Dis	ssolved oxygen of water decreases	wit	h an increase in te	emperature.
16.	Oil	slick causes mass scale death of	fish	nes due to	
	(1)	Clogging of gills		(2)	Disruption of food chain
	(3)	Non-availability of food		(4)	All of these
Sol.		swer (1)			138
	Oil	slick causes mass scale death of	fish	nes due to cloggin	g of gills.
17.	Pro	olonged water logging in an agricul	ltura	I fields is likely to	create the problem of
	(1)	Poor aeration and low salinity		(2)	Poor aeration and high salinity
	(3)	Poor aeration and high acidity		(4)	Metal toxicity and proper aeration
Sol.		swer (2)			Liduco
	Pro	plonged water logging in an agricult	ural	fields is likely to cr	reate the problem of poor aeration and high salinity.
(Sol	id V	Vastes)	3	All SE	No.
18.	Spi	raying of pesticide is an example o	of	dil igions	
	(1)	Point source water pollution	7	(2)	Diffuse water pollution
	(3)	Both (1) & (2)		(4)	Pyrolysis
Sol.	An	swer (2)			
	Spi	raying of pesticides is an example	of c	liffuse water pollut	ion.
19.	Wh	nich one of the following pairs is no	ot co	orrectly matched?	
		Production of sulphur dioxide	_	Burning of coal	
	(2)	Depletion of ozone layer	_	Release of CFCs in	the atmosphere
	(3)	Eutrophication	_	Increase in nitrogen	and phosphorus content in aquatic bodies
	(4)		_	Increase in global	
Sol.	Ans	swer (4)		-	
		creased in BOD of pond water, de	crea	ises water pollution	n.

- The controlled aerobic combustion of wastes inside chambers at temperature of 900-1300°C is known as
 - (1) Incineration

Recycling

(3) Pyrolysis

Sanitary dumping (4)

Sol. Answer (1)

Incineration – Aerobic combustion at 850°C to 1000°C.

Pyrolysis – Anaerobic combustion at 1650°C.

- 21. Wastes may be sealed in concrete-filled drums and discharged to a depth of about 500 m. This specific statement is true for
 - (1) γ-radiation pollutants

U.V. radiation pollutants

(3) β-particle pollutants

All radioactive pollutants

Sol. Answer (4)

All radioactive pollutants may be sealed in concrete filled drums and wastes discharged to a depth of about 500 m.

- Select the incorrect statement for e-wastes
 - (1) Recycling is the only solution for treatment
 - (2) They are buried in landfills or incinerated
 - (3) Bulk of the waste is biodegradable
 - (4) Used to recover metals like copper, iron, silicon, nickel and gold

Sol. Answer (3)

e-wastes is non-biodegradable.

(Agro-chemical and their Effects)

- 23. Blue-baby syndrome is due to the
 - (1) Air pollution
- Water pollution (2)
- Thermal pollution
- (4) Radioactive pollution

Sol. Answer (2)

Blue-baby syndrome is due to water pollution in which nitrites combined with haemoglobin and causes serious disease, also called methemoglobinemia.

(Greenhouse Effect and Global Warming)

- 24. Which is not an effect of global warming?
 - (1) More extreme weather condition

(2) Poleward shifting of organism

(3) Rise of sea level

Good fungal growth in soil

Sol. Answer (4)

Global warming does not affect good fungal growth in soil.

- 25. Arrange CFC, CH₄, N₂O and CO₂ in decreasing order according to their contribution in green house effect
 - (1) $CO_2 > N_2O > CFC > CH_4$

(2) CFC > CO_2 > CH_4 > N_2O

(3) $CH_4 > CFC > N_2O > CO_2$

(4) $CO_2 > CH_4 > CFC > N_2O$

Sol. Answer (4)

CO₂ > CH₄ > CFC > N₂O decreasing order of green house gases according to their contribution.

- 26. Consider the following statements and select correct set w.r.t. global warming
 - (a) El Nino effect
 - (c) Shifting of climatic zones
 - (e) Inpairment of hearing
 - (g) Rise in sea level
 - (1) a, c, e, g & h
 - (3) a, b, c, d, f & h

- (b) Cooling of stratosphere and earth surface
- (d) Snow blindness
- (f) Excessive deposition of ice at poles
- (h) Increase in eutrophication
- (2) a, c, d, e, f & g
- (4) a, c & g

Sol. Answer (4)

Global warming leads El-nino effect, shifting of climatic zone and rise in sea level.

- 27. Green house gases are
 - (1) Absorbers of long-wave radiations from earth
 - (2) Transparent to both solar radiations and long-wave radiations from earth
 - (3) Absorbers of solar radiations for warming the atmosphere
 - (4) Transparent to emissions from earth for passage into outer space
- Sol. Answer (1)

Green house gases absorb of long-wave radiations (infrared) from earth.

- 28. Which of the following conference obtained commitments from different countries for reducing overall green house gas emission at a level 5% below 1990 level by 2008-2012?
 - (1) Kyoto Protocol, 1997
 - (3) Montreal Protocol, 1987

- (2) Earth Summit, Rio-de-Janeiro, 1992
- (4) Helsinki Declaration, 1989

Sol. Answer (1)

Kyoto Protocol, 1997

(Ozone Depletion in The Stratosphere)

- 29. Select incorrect one
 - (1) I.A.P. Indian Atmospheric Pollution
 - (2) U.N.E.P. United Nation's Environment Programme
 - (3) C.C.C. Convention on Climate Change
 - (4) O.D.P. Ozone Depleting Potential
- Sol. Answer (1)

I.A.P. stands for Index of Air Pollution.

- 30. The e-wastes
 - (1) Represents municipal solid
 - (2) Is produced in developing countries and exported to developed countries
 - (3) Are buried in land fills or incinerated
 - (4) Does not involve recycling
- Sol. Answer (3)

The e-wastes are buried in land fills or incinerated for recycling.

- 31. Which one of the following was the objective of signing the 'Montreal protocol'?
 - (1) Protection of wild life
 - (2) Protection of ozone layer
 - (3) Control of noise pollution
 - (4) Control the over use of insecticides

Sol. Answer (2)

Signing the Montreal Protocol related with protection of ozone layer, at Montreal Canada in 1987.

(i) Methaeglobinemia

(ii) Chronic exposure to arsenic

(iii) Asphyxia and giddiness

(iv) Disposal of hospital waste

32. Match the column-I with column II

Column-I

Column-II

- a. Pyrolysis
- b. Carbon monoxide
- c. Blue baby syndrome
- d. Black foot disease
- (1) a(iv), b(i), c(ii), d(iii)
- (2) a(i), b(iii), c(iv), d(ii)
- (3) a(iv), b(iii), c(i), d(ii)
- (4) a(iv), b(iii), c(i), d(ii)

Sol. Answer (4)

Pyrolysis – Disposal of hospital waste

Carbon monoxide – Asphyxia and giddiness

Blue baby syndrome – Methamoglobinemia

Black foot disease – Chronic exposure to arsenic

- 33. Agenda-21 was adopted in
 - (1) Kyoto protocol
- (2) Earth summit
- Helsinki declaration (4)
- Montreal protocol

Sol. Answer (2)

(Degradation by Improper Resource Utilisation and Maintenance)

- 34. Reduction in soil fertility due to erosion is an example of
 - (1) Positive pollution
- (2) Negative pollution
- (3) Third pollution
- (4) Landscape pollution

Sol. Answer (2)

Reduction of soil fertility due to erosion is an example of negative pollution.

- 35. Which of the following pollutant accumulates in the bones, replaces calcium and may cause bone cancer?
 - (1) Strontium 90
- (2) CO

- (3) NO_v
- (4) SPM

- Sol. Answer (1)
- 36. Black foot disease is due to
 - (1) Oil spills
- (2) Arsenic
- (3) Copper
- (4) Mercury

Sol. Answer (2)

Black foot disease is due to Arsenic.

SECTION - B

Previous Years Questions

1. Which of the following statements about ozone is correct?

[NEET-2019 (Odisha)]

- (1) Stratospheric ozone protects us from UV radiations
- (2) Tropospheric ozone protects us from UV radiations
- (3) Stratospheric ozone is 'bad'
- (4) Tropospheric ozone is 'good'

Sol. Answer (1)

Ozone, in our atmosphere is found in two layers

- 1. Stratosphere good ozone, protects us from UV radiations
- 2. Troposphere bad ozone, considered as a pollutant.
- 2. Which of the following is an innovative remedy for plastic waste?

[NEET-2019 (Odisha)]

- (1) Electrostatic precipitator
- (2) Burning in the absence of oxygen
- (3) Burying 500 m deep below soil surface
- (4) Polyblend

Sol. Answer (4)

Polyblend is an innovative remedy of plastic waste. Polyblend is fine powder of recycled plastic waste that after mixing with bitumen, used to lay roads.

3. If an agricultural field is liberally irrigated for a prolonged period of time, it is likely to face a problem of

[NEET-2019 (Odisha)]

- (1) Salinity
- (2) Metal toxicity
- (3) Alkalinity
- (4) Acidity

Sol. Answer (1)

Irrigation of agricultural field for a prolonged time without proper drainage leads to waterlogging in the soil. Waterlogging draws salt to the surface of the soil and causes salinity.

4. Which of the following pairs of gases is mainly responsible for green house effect?

[NEET-2019]

- (1) Ozone and Ammonia
- (2) Oxygen and Nitrogen
- (3) Nitrogen and Sulphur dioxide
- (4) Carbon dioxide and Methane

Sol. Answer (4)

Relative contribution of various greenhouse gases to global warming is

- CO₂ = 60%
- CH₄ = 20%
- CFC = 14%
- $N_2O = 6\%$
- ⇒ Therefore CO₂ and CH₄ are the major greenhouse gases

5. Which of the following protocols did aim for reducing emission of chlorofluorocarbons into the atmosphere? [NEET-2019]

(1) Montreal Protocol

(2) Kyoto Protocol

(3) Gothenburg Protocol

(4) Geneva Protocol

Sol. Answer (1)

To control the deleterious effect of the stratospheric ozone depletion an international treaty was signed at Montreal, Canada in 1987. It is popularly known as Montreal protocol.

6. Polyblend, a fine powder of recycled modified plastic, has proved to be a good material for

[NEET-2019]

(1) Making plastic sacks

(2) Use as a fertilizer

(3) Construction of roads

(4) Making tubes and pipes

Sol. Answer (3)

Polyblend is a fine powder of recycled modified plastic waste. The mixture is mixed with bitumen that is used to lay roads

7. Which of these following methods is the most suitable for disposal of nuclear waste?

[NEET-2019]

- (1) Shoot the waste into space
- (2) Bury the waste under Antarctic ice-cover
- (3) Dump the waste within rocks under deep ocean
- (4) Bury the waste within rocks deep below the Earth's surface

Sol. Answer (4)

Storage of nuclear waste should be done in suitably shielded containers and buried within rocks deep below the earth's surface (500 m deep)

8. Match the items given in Column I with those in Column II and select the correct option given below :

[NEET-2018]

Column-l						Column-II
	a.	Eutroph	nication		i.	UV-B radiation
	b.	Sanitar	y landfill		ii.	Deforestation
	C.	Snow blindness				Nutrient enrichment
	d.	Jhum c	ultivatior	1	iv.	Waste disposal
		а	b	С	C	i
	(1)	ii	i	iii	i	/
	(2)	i	iii	İV	i	i
	(3)	i	ii	İV	i	i
	(4)	iii	iv	i	i	i
	A = 0.1.0 = (4)					

Sol. Answer (4)

a.	Eutrophication	III.	Nutrient enrichmen
b.	Sanitary landfill	İV.	Waste disposal
C.	Snow blindness	i.	UV-B radiation
d.	Jhum cultivation	ii.	Deforestation

9.	In stratosphere, which of the following elements acts molecular oxygen?	as a	a catalyst in degradation of ozone and release of [NEET-2018]				
	(1) Carbon	(2)	Cl				
	(3) Oxygen	(4)	Fe				
Sol.	Answer (2)						
	UV rays act on CFCs, releasing CI atoms, chlorine roxygen	eacts	with ozone in sequential method converting into				
	Carbon, oxygen and Fe are not related to ozone layer	deple	etion				
10.	Which of the following is a secondary pollutant?		[NEET-2018]				
	(1) CO	(2)	CO_2				
	(3) O ₃	(4)	SO_2				
Sol.	Answer (3)						
	$\boldsymbol{\mathrm{O}_{\mathrm{3}}}$ (ozone) is a secondary pollutant. These are formed	by t	he reaction of primary pollutant.				
	CO – Quantitative pollutant						
	CO ₂ – Primary pollutant						
	SO ₂ – Primary pollutant						
11.	World Ozone Day is celebrated on		[NEET-2018]				
	(1) 5 th June	(2)	21st April				
	(3) 22 nd April	(4)	16 th September				
Sol.	Answer (4)		ITC inites				
	World Ozone day is celebrated on 16 th September.		£01, 1285				
	5 th June - World Environment Day		Servi				
	21st April - National Yellow Bat Day		L iona				
	22 nd April - National Earth Day	1	16 th September				
12.	Which one of the following statements is not valid for a	aeros					
	(1) They are harmful to human health	O. P.	,				
	(2) They alter rainfall and monsoon patterns						
	(3) They cause increased agricultural productivity						
	(4) They have negative impact on agricultural land						
Sol.	Answer (3)						
	Aerosols can cause various problems to agriculture the continually increasing air pollution may represent a petthe future.	_	•				
13.	Biochemical Oxygen Demand (BOD) may not be a goo from	od ind	lex for pollution for water bodies receiving effluents [NEET(Phase-2)-2016]				
	(1) Domestic sewage (2) Dairy industry	(3)	Petroleum industry (4) Sugar industry				
Sol.	Answer (3)						
	Biochemical oxygen demand (BOD) is not a good index for pollution for water bodies receiving effluents from petroleum industry as the generated waste is mostly non-biodegradable in nature.						

14. A lake which is rich in organic waste may result in

[NEET(Phase-2)-2016]

- (1) Increased population of aquatic organisms due to minerals
- (2) Drying of the lake due to algal bloom
- (3) Increased population of fish due to lots of nutrients
- (4) Mortality of fish due to lack of oxygen

Sol. Answer (4)

Micro-organisms involved in biodegradation of organic matter consume oxygen as a result there is a sharp decline in oxygen causing mortality of fish and other aquatic creatures.

15. The highest DDT concentration in aquatic food chain shall occur in

[NEET(Phase-2)-2016]

- (1) Phytoplankton
- (2) Seagull
- (3) Crab
- (4) Eel

Sol. Answer (2)

Maximum DDT concentration occurs in fish eating birds like Seagull due to biomagnification. This happens because a toxic substance accumulated by an organism cannot be metabolised or excreted, thus passed to higher trophic level.

16. A river with an inflow of domestic sewage rich in organic waste may result in

[NEET-2016]

- (1) Death of fish due to lack of oxygen
- (2) Drying of the river very soon due to algal bloom
- (3) Increased population of aquatic food web organisms
- (4) An increased production of fish due to biodegradable nutrients

Sol. Answer (1)

A river with an inflow of domestic sewage rich in organic waste will reduce the dissolved oxygen (DO) and may result in death of fish due to lack of oxygen.

17. Joint Forest Management Concept was introduced in India during

[NEET-2016]

- (1) 1990s
- (2) 1960s
- 1970s
- 1980s

Sol. Answer (4)

Joint Forest Management Concept was introduced in India during 1980s by the Government of India to work closely with the local communities for protecting and managing forests.

18. Eutrophication of water bodies leading to killing of fishes is mainly due to non-availability of [Re-AIPMT-2015]

- (1) Oxygen
- (2) Food
- (3) Light
- Essential minerals

Sol. Answer (1)

During eutrophication of water bodies, BOD level increases due to rapid growth of microbes.

19. Acid rain is caused by increase in the atmospheric concentration of :

[Re-AIPMT-2015]

- (1) O_3 and dust
- (2) SO₂ and NO₂
- (3) SO_3 and CO (4) CO_2 and CO

Sol. Answer (2)

During rainfall, SO₂ and NO₂ can decrease the pH of rain water.

20.	Increase in concentration of the toxicant at successive trophic levels is known as: [Re-AIPMT-2015]
	(1) Biogeochemical cycling
	(2) Biomagnification
	(3) Biodeterioration
	(4) Biotransformation
Sol.	Answer (2)
21.	The UN conference of Parties on climate change in the year 2012 was held at [Re-AIPMT-2015]
	(1) Warsaw (2) Durban (3) Doha (4) Lima
Sol.	Answer (3)
	The United Nations Climate change conferences are yearly conferences and are known as Conference of the Parties(COP).
	In 2012 it was held in Doha, Qatar.
22.	High value of BOD (Biochemical Oxygen Demand) indicates that [AIPMT-2015]
	(1) Consumption of organic matter in the water is higher by the microbes
	(2) Water is pure
	(3) Water is highly polluted
	(4) Water is less polluted
Sol.	Answer (3)
	High value of BOD indicates that water is highly polluted. It is the indirect measure of the organic matter present in the water.
23.	The UN Conference of Parties on climate change in the year 2011 was held in [AIPMT-2015]
	(1) Qatar (2) Poland (3) South Africa (4) Peru
Sol.	Answer (3)
	The UN Conference of Parties on climate change in the year 2011 was held in Durban, South Africa.
24.	Rachel Carson's famous book "Silent Spring" is related to [AIPMT-2015]
	(1) Ecosystem management
	(2) Pesticide pollution
	(3) Noise pollution
	(4) Population explosion
Sol.	Answer (2)
	Pesticides, i.e., DDT (Biomagnification) related book.
25.	A scrubber in the exhaust of a chemical industrial plant removes [AIPMT-2014]
	(1) Gases like sulphur dioxide
	(2) Particulate matter of the size 5 micrometer or above
	(3) Gases like ozone and methane
	(4) Particulate matter of the size 2.5 micrometer or less
Sol.	Answer (1)

Scrubber removes sulphur dioxide from the exhaust of chemical industrial plant.

26.	A location with luxuriant growth of lichens on the trees	indi	cates that the	[AIPMT-2014]						
	(1) Trees are very healthy	(2)	Trees are heavily infeste	ed						
	(3) Location is highly polluted	(4)	Location is not polluted							
Sol.	Answer (4)									
	Lichens do not grow in SO ₂ polluted regions.									
27.	7. The zone of atomosphere in which the ozone layer is present is called [AIPMT-201									
	(1) Ionosphere (2) Mesophere	(3)	Stratosphere (4)	Troposphere						
Sol.	Answer (3)									
	Stratosphere contains ozone layer.									
28.	Global warming can be controlled by			[NEET-2013]						
	(1) Reducing reforestation, increasing the use of foss	il fue	I							
	(2) Increasing deforestation, slowing down the growth	of h	uman population							
	(3) Increasing deforestation, reducing efficiency of ene	ergy	usage							
	(4) Reducing deforestation, cutting down use of fossil	fuel								
Sol.	Answer (4)			,						
	Global warming can be controlled by reducing deforest	tatior	and cutting down use of	f fossil fuel.						
29.	The Air Prevention and Control of Pollution Act came in	nto fo	orce in	[NEET-2013]						
	(1) 1981 (2) 1985	(3)	1990 (4)	1975						
Sol.	Answer (1)	7		100						
	The Air Prevention and Control of Pollution Act came i	nto f	CoP - 4 (4)							
30.	Kyoto Protocol was endorsed at		581	[NEET-2013]						
	(1) CoP - 5 (2) CoP - 6	(3)	CoP - 4 (4)	CoP - 3						
Sol.	Answer (4)	<	Edilor							
	Kyoto Protocol was endorsed at CoP-3.		Mash Er							
31.	Which one of the following is a wrong statement?	O. P.	Ď.	[AIPMT (Prelims)-2012]						
	(1) Greenhouse effect is a natural phenomenon									
	(2) Eutrophication is a natural phenomenon in freshwa	ater l	oodies							
	(3) Most of the forests have been lost in tropical area	ıs								
	(4) Ozone in upper part of atmosphere is harmful to a	anima	als							
Sol.	Answer (4)									
	Ozone in upper part of atmosphere is called good ozone	and i	t acts as a shield, absorbir	ng UV radiation from sun.						
32.	In an area where DDT has been used extensively. the	рори	ulation of birds declined s	ignificantly because [AIPMT (Prelims)-2012]						
	(1) Cobras were feeding exclusively on birds	(2)	Many of the birds eggs	laid, did not hatch						
	(3) Birds stopped laying eggs	(4)	Earthworms in the area	got eradicated						
Sol.	Answer (2)									
Birds eggs are laid, but they did not hatch due to interference of DDT with calcium metabolism. This cau thin egg shells which breaks before hatching.										

33.	Which one of the following statements is wrong in case of Bhopal tragedy? [AIPMT (Prelims)-2011] (1) It took place in the night of December 2/3, 1984 (2) Methyl Isocyanate gas leakage took place (3) Thousands of human beings died (4) Radioactive fall out engulfed Bhopal						
Sol.	It was not radioactive radiation release.						
34.	I. Which one of the following pairs of gases are the major cause of	of "Greenhouse effec	"? [AIPMT (Prelims)-2011]				
	(1) CO_2 and N_2O (2) CO_2 and O_3 (3) C	CO ₂ and CO (4) CFCs and SO ₂				
Sol.	ol. Answer (1)						
35.	5. "Good ozone" is found in the		[AIPMT (Mains)-2011]				
	(1) Stratosphere (2) Ionosphere (3) M	lesosphere (4) Troposphere				
Sol.	ol. Answer (1)						
	Good ozone is found in stratosphere.						
36.	S. Eutrophication is often seen in:		[AIPMT (Prelims)-2011]				
	(1) Mountains (2) Deserts (3) F	Fresh water lakes (4) Ocean				
Sol.	ol. Answer (3)		0.				
	Eutrophication is often seen in fresh water lakes.	93	(bgt;				
37.	7. The two gases making highest relative contribution to the gree	enhouse gases are	[AIPMT (Prelims)-2010]				
		:H ₄ and N ₂ O (4) CFC ₅ and N ₂ O				
Sol.	ol. Answer (2)						
	CO ₂ 60% and CH ₄ 20%.	Calion					
38.	When domestic sewage mixes with river water	Figure	[AIPMT (Mains)-2010]				
	(1) Small animals like rats will die after drinking river water	5	[()]				
	(2) The increased microbial activity releases micronutrients s	such as iron					
	(3) The increased microbial activity uses up dissolved oxygen	n					
	(4) The river water is still suitable for drinking as impurities a	are only about 0.1%					
Sol.	ol. Answer (3)						
	When domestic sewage mixes with river water the increased m environment.	nicrobial activity uses	up DO of river is immediate				
39.	dB is a standard abbreviation used for the quantitative express	sion of	[AIPMT (Prelims)-2010]				
	(1) A certain pesticide						
	(2) The density of bacteria in a medium						
	(3) A particular pollutant						
	(4) The dominant Bacillus in a culture						
Sol.	ol. Answer (3)						
	dB (decibel) is unit for measurement of quantitative expression	n of a noise pollutant					

- 40. Global agreement in specific control strategies to reduce the release of ozone depleting substances, was adopted by: [AIPMT (Prelims)-2009]
 - (1) The Montreal Protocol
 - (2) The Koyoto Protocol
 - (3) The Vienna Convention
 - (4) Rio de Janeiro Conference

Sol. Answer (1)

41. Steps taken by the Government of India to control air pollution include:

[AIPMT (Prelims)-2009]

- (1) Compulsory PUC (Pollution Under Control) certification of petrol driven vehicles which tests for carbon monoxide and hydrocarbons.
- (2) Permission to use only pure diesel with a maximum of 500 ppm sulphur as fuel for vehicles.
- (3) Use of non-polluting Compressed Natural Gas (CNG) only as fuel by all buses and trucks.
- (4) Compulsory mixing of 20% ethyl alcohol with petrol and 20% biodiesel with diesel.

Sol. Answer (1)

Government of India have taken steps to control air pollution by certification of petrol driven vehicals which tests for CO and hydrocarbons.

42. Montreal Protocol aims at

[AIPMT (Prelims)-2009]

- (1) Biodiversity conservation
- (3) Control of CO₂ emission

- Control of water pollution
- Reduction of ozone depleting substances

Sol. Answer (4)

Montreal Protocol aims at reduction of ozone depleting substances.

43. Biochemical Oxygen Demand (BOD) in a river water:

[AIPMT (Prelims)-2009]

- (1) Has no relationship with concentration of oxygen in the water.
- (2) Gives a measure of Salmonella in the water.
- (3) Increases when sewage gets mixed with river water.
- (4) Remains unchanged when algal bloom occurs.

Sol. Answer (3)

BOD in river water increases when sewage gets mixed with river water.

44. Chipko movement was launched for the protection of :

[AIPMT (Prelims)-2009]

- (1) Forests
- (2) Livestock
- (3) Wet lands
- Grasslands

Sol. Answer (1)

Chipko Movement is related with protection of forest.

45. DDT residues are rapidly passed through food chain causing biomagnification because DDT is:

[AIPMT (Prelims)-2009]

(1) Moderately toxic

Non-toxic to aquatic animals

(3) Water soluble

Lipo soluble

Sol. Answer (4)

DDT is lipid soluble.

46.	Which one of the following is contribute to the total global (1) Methane 20%, N ₂ O 18% (2) CFCs14%, Methane 20% (3) CO ₂ 40%, CFSs 30% (4) N ₂ O 6%, CO ₂ 86% Answer (2) CFCs 14%, Methane 20%	warming?	of the	two (out of the total	of 4	green house gases that [AIPMT (Prelims)-2008]
47		la Davidanment (2002)	ا ما م	d :		FAIDMT (Dualines) 20001
47.	World summit on Sustainable (1) South Africa (ie Development (2002) was (2) Brazil	(3)	Sweden	(4)	[AIPMT (Prelims)-2008] Argentina
Sol	Answer (1)	(2) Diazii	(3)	Sweden	(4)	Argentina
001.	, ,					
48.	According to Central Pollution the air pollutants is responsi			health?	diar	[AIPMT (Prelims)-2008]
	` '	(2) 2.5 or less	(3)	1.5 or less	(4)	1.0 or less
Sol.	Answer (2)					
	2.5 μm or less forms susper	nded particles in air.				/
49.	A lake near a village suffere this	ed heavy mortality of fishes	s with	nin a few days. Cons	ider	the following reasons for
	(a) Lots of urea and phospl	hate fertilizer were used ir	the	crops in the vicinity.		
	(b) The area was sprayed v	with DDT by an aircraft	67	.100		iso,
	(c) The lake water turned g	green and stinky.			9/11	
	(d) Phytoplankton population	ns in the lake declined initia	lly th	ereby greatly reducing	g pho	otosynthesis.
	Which two of the above wer	re the main causes of fish	mort	ality in the lake?		[AIPMT (Prelims)-2008]
	(1) a, b	(2) b, c	(3)	c, d	(4)	a, c
Sol.	Answer (4)			Egg		
	Mortality of fishes in water b	podies is due to		Mash Elo		
	 Eutrophication 	(1)	0,			
	The lake water turned g	reen (BGA) and stinky i.e.	stro	ng unpleasent smell.		
50.	In which one of the following paper mill effluent (PE) and			,	•	, ,
	(1) S < DE < PE < SE		(2)	SE < S < PE < DE		
	(3) SE < PE < S < DE		(4)	PE < S < SE < DE		
Sol.	Answer (2)					
	PE < S < SE < DE					
51.	In a coal fires power plant e	electrostatic precipitators a	re ins	stalled to control emis	ssion	of [AIPMT (Prelims)-2007]
	(1) CO ((2) SO ₂	(3)	NO_{χ}	(4)	SPM
Sol.	Answer (4)	-		^		
	Suspended Particulate Matte	er				

61.	The toxic effect of carbon approximately by	mono	oxide is due to its gre	eater	affinity for haemogl	obin a	as compared to oxygen
	(1) 200 times	(2)	1000 times	(3)	2 times	(4)	20 times
Sol.	Answer (1)						
	Carbon monoxide has 200	times	more affinity for haem	noglo	bin than oxygen.		
62.	Which of the following is a	secon	ndary pollutant?				
	(1) PAN	(2) A	Aerosol	(3)	CO	(4)	CO ₂
Sol.	Answer (1)						
	Peroxy Acetyl Nitrate (PAI	N) is a	secondary pollutant.				
63.	Which one of the following micro meters or less?	j is no	t correct as regards t	the h	armful effects of par	ticula	te matter of the size 2.5
	(1) It can be inhaled into t	he lun	gs				
	(2) It can cause respirator	y prob	lems				
	(3) It can directly enter int	to our	circulatory system				
	(4) It can cause inflammat	tion an	d damage to the lung	S			
Sol.	Answer (3)		6			/	5
	2.5 μm/less particles cann	ot dire	ectly enter into our circ	culate	ory system.	30	
64.	Which is the result of dama	age to	relative biological effe	ective	ness?		16,
	(1) High temperature	(2) F	Pollution	(3)	Radiation	(4)	Low temperature
Sol.	Answer (2)				Radiation	,5	
65.	The domestic sewage in la	arge cit	ties		1000		
	(1) Has a high BOD as it	contair	ning both aerobic and	anae	erobic bacteria		
	(2) Is processed by aerob Plants (STPs)	oic and	I then anaerobic bact	eria	in the secondary tre	atmer	nt in Sewage Treatment
	(3) When treated in STPs	does	not really require the a	aerat	on step as the sewa	ge co	ntains adequate oxygen
	(4) Has very high amounts	s of su	spended solids and d	issol	ved salts		
Sol.	Answer (2)		16 Chileto				
	Sewage polluted water is p Treatment Plants.	rocess	sed by aerobic and the	en an	aerobic bacteria in se	econd	ary treatment in Sewage
66.	Which among the following	g is like	ely to have the highes	st lev	els of D.D.T. deposit	ions i	n its body?
	(1) Seagull	(2) F	Phytoplankton	(3)	Eel	(4)	Crab
Sol.	Answer (1)						
	Seagull.						
67.	Sounds above what level a	are con	sidered hazardous no	ise p	ollution?		
	(1) Above 80 dB	(2)	Above 30 dB	(3)	Above 150 dB	(4)	Above 120 dB
Sol.	Answer (1)						
	Sound above 80 dB is haz	ardous	s, (noise pollution).				

68.	A disease caused by eating fish contaminated by	industria	l waste containing	mercur	y compounds, is calle	d		
	(1) Osteosclerosis							
	(2) Hashimoto's disease							
	(3) Bright's disease							
	(4) Minimata disease							
Sol.	I. Answer (4)							
69.	When huge amount of sewage is dumped into a ri	iver, its B	O.D. will					
	(1) Slightly decrease (2) Remain unchange	ed (3)	Increase	(4)	Decrease			
Sol.	I. Answer (3)							
	BOD will increase due to consumption of oxygen by	by aerob	ic bacteria.					
70.	The Taj Mahal is threatened due to the effect of							
	(1) Oxygen (2) Hydrogen	(3)	Chlorine	(4)	Sulphur-dioxide			
Sol.	I. Answer (4)							
	The Taj Mahal is threatened due to the effect of su	ulphur dic	oxide.					
71.	In Minamata Bay of Japan the animals which rema	ained free	e from minamata d	isease,	are			
	(1) Dogs (2) Cats	(3)	Pigs	(4)	Rabbits			
Sol.	l. Answer (4)			70	(168)			
	Rabbits because they are herbivores.			es linn				
72.	Which of the following isotopes is most dangerous	to Hom	o sapiens?	100				
	(1) Phosphorus-32 (2) Strontium-90	(3)	Caesium-137	(4)	lodine-131			
Sol.	I. Answer (2)		·) Educar					
	Strontium-90, because it replaces Ca in bones and	d causes	bone cancer and	leukem	ia.			
73.	The most common indicator organism that represents polluted water is							
	(1) C. vibrio	SIOTIS						
	(2) Entamoeba histolytica							
	(3) E. coli							
	(4) P. typhi							
Sol.	l. Answer (3)							
	Polluted water indicator is E. coli which is most co	ommon o	rganism in pollute	d water	-			
74.	Phosphate pollution is caused by							
	(1) Sewage and phosphate rock	(2)	Sewage and agr	cultural	fertilizers			
	(3) Phosphate rock only	(4)	Agricultural fertili	zers on	ly			
Sol.	I. Answer (2)							
	Phosphate pollution is caused by sewage and agri	icultural f	fertilizers.					

75.	The minamata disease in .	Japa	n was caused through	the p	ollution of water by		
	(1) Cyanide	(2)	Methyl isocyanate	(3)	Lead	(4)	Mercury
Sol	Answer (4)						
76.	D.D.T. is						
	(1) Not a pollutant			(2)	An antibiotic		
	(3) A non-biodegradable p	olluta	ant	(4)	A biodegradable po	llutan	t
Sol	Answer (3)						
	D.D.T. is a non-biodegrada	able p	pollutant.				
77.	The maximum biomagnific	ation	would be in which of t	he fo	llowing in case of ag	uatic	ecosystem?
	(1) Zooplanktons	(2)	Phytoplanktons	(3)	Fishes	(4)	Kelps
Sol	Answer (3)	()	7.1	(-)		()	
	Fishes have maximum bio	mag	nification in aquatic eco	osyste	em.		
70	What is B.O.D.?						
78.		ead I	hy organisms in water				
	(1) The amount of O₂ utili(2) The amount of O₂ utili			deco	mnosition	/	-
	(3) The total amount of O			acco	mposition	٠.٥	lu,
	(4) All of these	2 6.0				VI)	
Sol	Answer (2)			45	100	S. Cill	301
	BOD is amount of O_2 for U	ıtiliza	ition by microbes and	decon	npose the organic w	astes.	
79.	Which of the following is a	hean	at in polluted water?		Servio		
19.	(1) Hydrilla	(2)	Water hyacinth	(3)	Larva of stonefly	(4)	Blue green algae
Sol	Answer (3)	(2)	vvater frydomen	(0)	Larva or dionomy	(¬)	Dide green digae
					ash		
80.	What is the intensity of so		Y / A'	3. E	# · · · · · · · · · · · · · · · ·		
0-1	(1) 10-20 decibel	(2)	30-60 decibel	(3)	70-90 decibel	(4)	120-150 decibel
501.	Answer (2) The intensity of sound for	norm	val convergation is 20.6	.U 4D			
	The intensity of sound for	HOHH	iai conversation is 50-0	o ub.			
81.	Fluoride pollution mainly a	ffects	3				
	(1) Brain	(2)	Heart	(3)	Teeth	(4)	Kidney
Sol	Answer (3)						
	Fluoride pollution mainly a	ffect	teeth.				
82.	Escherichia coli is used as	an i	indicator organism to d	letern	nine pollution of water	er by ı	means of
	(1) Heavy metals			(2)	Faecal matter		
	(3) Industrial effluents			(4)	Pollen of aquatic p	lants	
Sol	Answer (2)						
	E. coli present in huge nui	mber	in faecal matter.				

83.	Lead concentration in blood	Lead concentration in blood is considered alarming if it is						
	(1) 20 μg/100 ml	(2)	30 μg/100 ml	(3)	4 - 6 μg/100ml	(4)	10 μg/100 ml	
Sol.	Answer (2)							
	30 μg/100 ml							
84	Which one of the following	ie na	at used for disinfection	of dri	nking water?			
04.	(1) Chlorine	(2)	Ozone	(3)	Chloramine	(4)	Phenyl	
Sol.	Answer (4)	(-)	020110	(0)	Omoran mo	(')		
00	Phenyl is not used for disir	nfecti	on of drinking water.					
	Then you also also distinct or difficulty water.							
85.	Which of the following orga		-				-	
	(1) Top carnivores	(2)	Primary producers	(3)	Herbivores	(4)	Carnivores	
Sol.	Answer (1)				(DDT: 11 : 1			
	Top consumers or top carn	ivore	s nave maximum cond	entra	tion of DDT in their b	ody.		
86.	Climate of the world is thre	aten	ed by					
	(1) Increasing concentration	n of	atmospheric oxygen	(2)	Decreasing amount	of at	mospheric oxygen	
	(3) Increasing amount of a	tmos	pheric carbondioxide	(4)	Decreasing amount	of atr	mospheric carbondioxide	
Sol.	Answer (3)					il.) *	
	Climate of the world is thre	aten	ed by increasing amou	nt of	atmospheric carbon	dioxid	de.	
87.	Which one of the following	gase	es contribute maximum	to th	e 'green house effec	t' on	the earth?	
	(1) Carbon dioxide	(2)	Chlorofluoro carbon	(3)	Freon	(4)	Methane	
Sol.	Answer (1)				168			
	Carbon dioxide contribution	ı ın g	reen house effect is 60)% (n	naxımum).			
88.	The true statement about 'g	greer	n-house effect' is that i	t is	Edillo			
	(1) Caused by CO ₂ , CCI ₄ a	and H	HFC	(2)	Caused only by CC)2		
	(3) Caused by CO ₂ , CFC,	CH ₄	and NO ₂ gases	(4)	None of these			
Sol.	Answer (3)	-0 0	NI A GOING IS HOT					
	GHE is caused by CO ₂ , CF	-C, C	$\mathrm{H_4}$ and $\mathrm{NO_2}$ gases.					
89.	Which country has the great	atest	contribution for the ho	le for	mation in ozone laye	r?		
	(1) Russia	(2)	Japan	(3)	USA	(4)	Germany	
Sol.	Answer (3)							
90.	In coming years, skin relate	ed di	sorders will be more co	ommo	on due to			
	(1) Water pollution			(2)	Depletion of ozone	layer		
	(3) Pollutants in air			(4)	Use of detergents			
Sol.	Answer (2)							
91.	Formation of ozone hole is	max	imum over					
	(1) Europe	(2)	Africa	(3)	India	(4)	Antarctica	
Sol.	Answer (4)							

92.	The supersonic jets cause	pollution by the thinning of						
	(1) O ₂ layer	(2) O ₃ layer	(3)	CO ₂ layer	(4)	SO ₂ layer		
Sol.	Answer (2)							
	The supersonic jets cause	pollution by thinning of ${\rm O_3}$	layer					
93.	If there was no CO ₂ in the	earth's atmosphere, the ter	npera	ature of earth's surfac	ce wo	uld be		
	(1) Higher than the present							
	(2) Dependent on the amount of oxygen in the atmosphere							
	(3) Same as present							
	(4) Less than the present							
Sol.	Answer (4)							
	Less than present i.e. redu	iced to -18°C.						
94.	Which important green-house gas, other than methane, is being produced from the agricultural fields?							
	(1) Ammonia	(2) Nitrous oxide	(3)	Arsine	(4)	Sulphur dioxide		
Sol.	Answer (2)							
95.	Green house effect refers to	0						
	(1) Production of cereals		(2)	Warming of earth	>/	5		
	(3) Cooling of earth		(4)	Trapping of UV ray	s c			
Sol.	Answer (2)				10			
	Green house effect refers to	to warming of earth.	4	20	C. Cill	301		
96.	Maximum green house gas	ses are released by which o	of the	following country?	5/111			
	(1) India		(2)	France Britain				
	(3) USA		(4)	Britain				
Sol.	Answer (3)			.calio.				
	Maximum green house gas	ses are released by USA.		Egg				
97.	Warm ocean surge of the p is widely known as	peru current recurring every	5 to	8 years or so in the	East	Pacific of South America		
	(1) El-Nino	1000	(2)	Aye Aye				
	(3) Magnox	18 Civisio	(4)	Gulf stream				
Sol.	Answer (1)	Line						
98.	The second commitment period for Kyoto Protocol was decided at							
	(1) Cancun		(2)	Durban				
	(3) Bali		(4)	Doha				
Sol.	Answer (4)							
	The second commitment p	eriod for Kyoto Protocol wa	s ded	cided at Doha.				
99.	At present the concentration	on of CO ₂ in the atmospher	e is a	bout				
	(1) 100 ppm		(2)	240 ppm				
	(3) 380 ppm		(4)	520 ppm				
Sol.	Answer (3)							
	At present the concentration	on of CO ₂ in the atmospher	e is a	bout 380 ppm.				

- 100. The two great industrial tragedies namely, MIC and Chernobyl tragedies respectively occurred where and at which time?
 - (1) Bhopal 1984, Ukrain 1986
 - (2) Bhopal 1986, Russia 1988
 - (3) Bhopal 1984, Ukrain 1990
 - (4) Bhopal 1984, Ukrain 1988
- Sol. Answer (1)

Bhopal 1984, Ukrain 1986

- 101. In 1984, Bhopal gas tragedy was caused due to leakage of
 - (1) Potassium isocyanate

(2) Methyl isocyanate

(3) Carbon monoxide

None of these (4)

Sol. Answer (2)

Methyl isocyanate

- 102. In 1984, the Bhopal gas tragedy took place because methyl isocyanate
 - (1) Reacted with DDT

(2) Reacted with ammonia

(3) Reacted with CO₂

Reacted with water

Sol. Answer (4)

Methyl isocyanate reacted with water.

- 103. Which of the following is the main factor of desertification?
 - (1) Over-grazing
- (2) Tourism
- Irrigated agriculture
- All of these

Sol. Answer (1)

SECTION - C

Assertion-Reason Type Questions

- 1. A: Euro-II norms are framed to reduce the content of CO and aromatic compounds from fuels.
 - R: These compounds lead to reduce visibility and carboxyhemoglobin formation.
- **Sol.** Answer (4)

Euro-II norms are framed to reduce the content of sulphur and aromatic compounds from fuels. These compounds lead to vehicular pollution.

- A: Nitrate and phosphate discharge in a water body causes eutrophication.
 - R: This increases the inorganic content in water body and hence growth of algal blooms.
- Sol. Answer (1)

Nitrate and phosphate in a water bodies result more fertile nature of water called eutrophication, that increases BOD and huge growth of algae called Algal Bloom.

- A: Biomagnification of DDT can enhance the decline in bird population.
 - R: DDT causes thicking of egg shell and their delayed breaking by disturbing calcium metabolism.
- Sol. Answer (3)

Biomagnification of DDT can reduce bird population because it causes thinning of egg shell.

- 4. A: Ecological sanitation is a sustainable system for handling human excreta.
 - R: It is a practical and hygienic method of using dry composting toilets.

Sol. Answer (1)

Ecological sanitation is sustainable system for handling human excreta. It is a practical and hygenic method of using dry composting toilets.

- 5. A: El Nino is a climatic change which causes deleterious environmental changes.
 - R: Increased trophospheric ozone due to El Nino cause shift of climatic regions.

Sol. Answer (3)

El-Nino is climatic change which causes deleterious environmental changes. Increased smog trophospheric ozone is due to photochemical.

- 6. A: ESP can remove the particulate matter by more than 99%.
 - R: Anode attract the particles and provide positive charge the same & allow them to fall.

Sol. Answer (3)

ESP can remove the particulate matter by more than 99%. Anode attract the particles and provide negative charge to them.

- 7. A: Montreal Protocol suggested the reduction of ODS.
 - R: A land mark international agreement taken in Earth summit held at Rio de Janeiro.

Sol. Answer (3)

Montreal Protocol suggested the reduction of ozone depleting substances (ODS). A landmark international agreement taken in Montreal - Canada in 1987.

- 8. A: High concentration of atmospheric SO₂ reduces primary productivity.
 - R: SO₂ converts the chlorophyll a into phaeophytin.

Sol. Answer (1)

High concentration of atmospheric SO_2 reduces primary productivity because SO_2 converts the chlorophyll into phaeophytin by replacing Mg.

- 9. A: Intensive agriculture leads to negative soil pollution.
 - R: It increases useful mineral contents in top layer of soil.

Sol. Answer (3)

Intensive agriculture leads to negative soil pollution because It decreases useful mineral contents.

- 10. A: Irrigation without proper drainage of water leads to water logging in the soil.
 - R: Water logging results in increased soil salinity.

Sol. Answer (2)

Irrigation without proper drainage of water leads to water logging in the soil that increased soil salinity.

- 11. A: PAN is a secondary pollutant.
 - R: PAN is formed by interaction of nitrogenoxides and hydrocarbon in the absence of light.

Sol. Answer (3)

PAN is produced by photochemical reaction.

- 12. A: Taj Mahal is being destroyed by SO₂ coming from Mathura refinary.
 - R: This converts CaCO₃ into unstable calcium sulphate.
- Sol. Answer (1)

$$SO_2/SO_3 + H_2O \longrightarrow H_2SO_4$$
 [Acid rain]

- 13. A: A few toxic substance often present in industrial waste waters undergo biological magnification.
 - R: A toxic substance can easily be metabolised or excreted by organism.
- Sol. Answer (3)

The toxic substance cannot be metabolised or excreted by organism.

- 14. A: High concentration of atmospheric SO_2 and NO_x causes acid rain.
 - R: It causes damage to foliage and growing points of plant.
- Sol. Answer (2)

Acid rain demages foliage and growing points of plant.

- 15. A: Polyblend is a fine powder of recycled plastics.
 - R: The blend of polyblend and bitumen, helped to increase road life by a factor of three.
- Sol. Answer (2)

Polyblend was mixed with bitumen to lay roads.