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Q.1 A)	Fill in the blanks:
i)	The presence of in atmosphere is due to photosynthesis.
ii)	The boundary between stratosphere and mesosphere is called
iii)	The reflecting capacity of the earth is called
iv)	The major anthropogenic source of nitrogen oxides is
Q.1 B)	Write a short note on : (Any one)
i)	Particles, ions and radicles in the atmosphere.
ii)	Depletion of ozone.
Q.1 C)	Answer the following: (Any two)
i)	With the help of a neat labelled diagram discuss temperature profile of
	atmosphere.
ii)	Elaborate on fate of oxides of sulphur in atmosphere.
iii)	Construct a detailed note on reactions of oxygen and ozone in the
	atmosphere.
Q.2 A)	Fill in the blanks:
i)	of water on earth is available as fresh water.
ii)	The depletion of affects aquatic biota severely.
iii)	Sedimentation is a part of treatment of waste water.
iv)	The cause of Minamata disease was contamination of water with
Q.2 B)	Write a short note on: (Any one)
i)	Oil spill
ii)	Water cycle
	Answer the following: (Any two)
i) (**)	Elaborate on the organic pollutants of water.
ii)	Write in detail about tertiary treatment of waste water.
iii)	Discuss the criteria for purity of water.
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Q.3 A)	Fill in the blanks:
i)	convert ammonium ions into nitrite ions.
ii)	Excessive use of inorganic fertilizers leads to of soil.
iii)	The unit of measuring sound frequency is
iv)	The soil without living organisms is called
Q.3 B)	Write a short note on: (Any one)
<b>i</b> )	Soil profile
ii)	Agrochemical pollution

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Q.3 C)	Answer the following: (Any two)	12
i)	Give detailed account of classification of noise.	8
	Discuss the necessity of biogeochemical cycles with special reference to	500
ii)	nitrogen cycle.	
iii)	Justify. Soil is the most susceptible element of the environment to pollution.	
Q.4 A)	Fill in the blanks:	4
i)	The energy associated with carbon and hydrogen bonds present in vegetative material is	
ii)	energy is non-conventional source useful for cities near sea.	SE SE
iii)	The ground water entering the closed mine carries with it a mixture of minerals	
iv)	The floating precipitate of iron (III) oxide on the surface of natural aquatic systems is called	
Q.4 B)	Write a short note on : (Any one)	4
i)	Coal and coke	
ii)	Polymers and plastics	
Q.4 C)	Answer the following: (Any two)	12
i)	Give comparative account of conventional and nonconventional sources of energy.	
ii)	Construct a note on monitoring of water pollutants stating the principle and significance of it.	
iii)	Discuss approaches for environmental monitoring in detail.	
Q.5A)	Define/explain: ( Any four)	8
	a) Van Allen belts OR b) Deforestation	
	c) Screening OR d) Surfactants	
	e) Acidification OR f) Occupational noise	
	g) Asbestosis OR h) SNG	
Q.5 B)	State true or false giving reasons:	12
<b>i</b> )	Ozone is present in troposphere.	
ii)	Asbestos is used in textile industry.	
iii)	Solubility of nitrogen increases with increasing temperature.	
iv)	Alum is used as flocculating agent.	
v)	Normal hearing audio range is 2Hz -22000HZ.	
vi)	Soils with low cation exchange capacity retain metals leading to soil pollution.	
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