

# CONCEPT APPLICATION LEVEL - III

## SECTION-A

### • MULTIPLE CHOICE QUESTIONS (ONE CORRECT ANSWER):

- Q.1 Which gas is the major pollutant of air?  
(A) Carbon monoxide (B) Nitrogen (C) Oxygen (D) Propane
- Q.2 The increase in concentration of which gas results in Global Warming?  
(A) Sulphur dioxide (B) Nitrogen (C) Carbon dioxide (D) Methane
- Q.3 In which year Ganga Action Plan was launched?  
(A) 1980 (B) 1984 (C) 1982 (D) 1985
- Q.4 What radiations are absorbed by CO<sub>2</sub>?  
(A) Ultrared radiations (B) Infrared radiations  
(C) Ultraviolet radiations (D) None of these
- Q.5 Which element is present in the exhaust of automobiles?  
(A) Lead (B) Calcium (C) Chromium (D) Magnesium
- Q.6 Most of the atmospheric air is contained in which layer of atmosphere?  
(A) Stratosphere (B) Troposphere (C) Exosphere (D) Mesosphere
- Q.7 The solid or liquid particles dispersed in the air are called  
(A) oxides (B) acids (C) hydrocarbons (D) aerosols
- Q.8 Which type of pollution has resulted in discolouring of Taj Mahal?  
(A) Air pollution (B) Ultraviolet rays (C) Acid rain (D) Infrared radiations
- Q.9 The major causes of air pollution include  
(A) burning of coal and petroleum (B) afforestation  
(C) deforestation (D) recycling of paper
- Q.10 Bhopal tragedy was caused due to  
(A) air pollution (B) emission of poisonous gas  
(C) water pollution (D) leakage of poisonous gas
- Q.11 Water pollution is not caused by  
(A) burning of fossil fuels (B) bathing in ponds  
(C) agricultural wastes (D) industrial wastes
- Q.12 Potable water  
(A) cannot have smell (B) has impurities  
(C) has harmful chemicals (D) has micro-organisms
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- Q.13 High concentration of which gas will not cause air pollution  
(A) oxygen (B) nitrogen dioxide (C) carbon dioxide (D) carbon monoxide
- Q.14 Potable water is  
(A) not fit for drinking (B) fit for drinking  
(C) only fit for watering plants (D) only fit for bathing.
- Q.15 When domestic sewage/fertilisers is released into the rivers, the growth of algae and bacteria is  
(A) promoted (B) not affected (C) inhibited (D) none of these
- Q.16 The pollutants in water can be recognised by  
(A) bad taste (B) offensive odour  
(C) growth of aquatic weeds (D) all the above
- Q.17 Select the water-borne disease out of the following  
(A) Cholera (B) Tuberculosis (C) Dengue (D) Malaria
- Q.18 To remove the suspended impurities from water at home the substance used is  
(A) potash alum (B) chlorine  
(C) potassium dichromate (D) salt

### SECTION-B

• **MULTIPLE CHOICE QUESTIONS (ONE OR MORE THAN ONE CORRECT ANSWER):**

- Q.1 Ozone layer in the atmosphere depleted by  
(A) LPG (B) CFC (C) CNG (D) N<sub>2</sub>
- Q.2 The gas responsible for global warming is  
(A) CO (B) CO<sub>2</sub> (C) CH<sub>4</sub> (D) SO<sub>2</sub>
- Q.3 Which of the following is/are a greenhouse gas?  
(A) Carbon dioxide (B) Sulphur dioxide (C) Methane (D) Nitrogen
- Q.4 The water is purified at home by  
(A) Boiling (B) Addition of chlorine tablets  
(C) CFC (D) Addition of salt

### SECTION-C

• **ASSERTION AND REASON**

**Direction:** Each of these questions contains an Assertion followed by reason. Read them carefully and answer the question on the basis of following options. You have to select the one that best describes the two statements.

- (A) If both **Assertion** and **Reason** are correct and Reason is the **correct explanation** of Assertion.  
(B) If both **Assertion** and **Reason** are correct and Reason is **not the correct explanation** of Assertion.  
(C) If **Assertion** is **correct** but Reason is **incorrect**.  
(D) If **Assertion** is **incorrect** but Reason is **correct**.
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Q.1 **Assertion :** UV radiation causes photodissociation of ozone into  $O_2$  and  $O$ . Thus causing damage to the stratospheric ozone layer.

**Reason :** Ozone hole is resulting in global warming and climate change.

Q.2 **Assertion :**  $CO_2$  controls the earth's heat balance.

**Reason :**  $CO_2$  has caused global warming.

### SECTION-D

• **MATCH THE COLUMN (ONE TO ONE):**

	<b>Column I</b>		<b>Column II</b>
Q.1	(A) Greenhouse gas	(P)	Absorbed by $CO_2$
	(B) Infrared radiations	(Q)	Polluting gas
	(C) Oxides which affect vegetation	(R)	Fog
	(D) Sulphur dioxide	(S)	Caused by smog
	(E) Condensed water vapour in air	(T)	Smoke + fog + fumes
	(F) Asthma	(U)	Carbon dioxide
	(G) Smog	(V)	Nitrogen oxides

### SECTION-E

• **COMPREHENSION**

The burning of fossil fuels and industry releases a lot of carbon dioxide gas into the air. The increased level of carbon dioxide gas in the air traps the heat radiated from the earth. Carbon dioxide traps heat but does not allow it to escape into the space.

Q.1 **Write two name of fossil fuels.**

### SECTION-F

• **MATCH THE COLUMN (ONE TO MANY):**

	<b>Column I</b>		<b>Column II</b>
Q.1	(A) Water Pollution	(P)	CO
	(B) Air Pollution	(Q)	Oils
	(C) Acid Rain	(R)	Pesticides and fertilisers
	(D) Chip ko Movement	(S)	Nitric acid, $H_2SO_4$
		(T)	People hugging tree

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