# PYQSide

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# NEET ENVIRONMENTAL CHEMISTRY — ATMOSPHERIC POLLUTION — PYQS

**Max. Marks:** 36 **Questions:** 9

## Section A (MCQ) — 9 questions

**Q.1** The pollution due to oxides of sulphur gets enhanced due to the presence of:

(a) particulate matter (b) ozone

(c) hydrocarbons (d) hydrogen peroxide

Choose the most appropriate answer from the options given below: [NEET (UG) 2022]

(1) (a), (d) only (2) (a), (b), (d) only

(3) (b), (c), (d) only (4) (a), (c), (d) only

Scan or tap for the full solution

**Q.2** Match **List-I** with **List-II** :

| List-I | | List-II | |
|---|---|---|---|
| a. | Biochemical oxygen demand | i. | oxidising mixture |
| b. | Photochemical smog | ii. | polar stratospheric cloud |
| c. | Classical smog | iii. | organic matter in water |
| d. | Ozone layer depletion | iv. | reducing mixture |

Choose the correct answer from the options given below : [NEET (UG) 2022 (Phase 2)]

(1) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

(2) (a)-(i), (b)-(iv), (c)-(ii), (d)-(iii)

(3) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)

(4) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)

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**Q.3** Match **List-I** with **List-II** :

| List-I | |
|---|---|
| a. | $2SO_2(g) + O_2(g) \longrightarrow 2SO_3(g)$ |
| b. | $HOCl(g) \xrightarrow{h\nu} \dot{O}H + \dot{C}l$ |
| c. | $CaCO_3 + H_2SO_4 \longrightarrow CaSO_4 + H_2O + CO_2$ |
| d. | $NO_2(g) \xrightarrow{h\nu} NO(g) + O(g)$ |

| List-II | |
|---|---|
| i. | Acid rain |
| ii. | Smog |
| iii. | Ozone depletion |
| iv. | Tropospheric pollution |

Choose the correct answer from the options given below. [NEET (UG) 2021]

(1) (a)-(iii), (b)-(ii), (c)-(iv), (d)-(i)

(2) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)

(3) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)

(4) (a)-(iv), (b)-(iii), (c)-(i), (d)-(ii)

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**Q.4** Which of the following is not correct about carbon monoxide? [NEET (UG) 2020]

(1) It reduces oxygen carrying ability of blood.

(2) The carboxyhaemoglobin (haemoglobin bound to CO) is less stable than oxyhaemoglobin.

(3) It is produced due to incomplete combustion.

(4) It forms carboxyhaemoglobin.

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**Q.5** Among the following, the one that is not a green house gas is : [NEET (UG) 2019]

(1) ozone (2) sulphur dioxide

(3) nitrous oxide (4) methane

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**Q.6** Which oxide of nitrogen is not a common pollutant introduced into the atmosphere both due to natural and human activity? [NEET 2018]

(1) $N_2O_5$ (2) $NO_2$ (3) $N_2O$ (4) NO

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**Q.7** Which of the following is a sink for CO? [NEET 2017]

(1) Microorganisms present in the soil
(2) Oceans
(3) Plants
(4) Haemoglobin

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**Q.8** Which one of the following is not a common component of Photochemical smog? [AIPMT 2014]

(1) Ozone (2) Acrolein
(3) Peroxyacetyl nitrate (4) Chlorofluorocarbons

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**Q.9** Which one of the following statements regarding photochemical smog is not correct? [AIPMT 2012 (Prelims)]

(1) Carbon monoxide does not play any role in photochemical smog formation.
(2) Photochemical smog is an oxidising agent in character.
(3) Photochemical smog is formed through photochemical reaction involving solar energy.
(4) Photochemical smog does not cause irritation in eyes and throat.

Scan or tap for the full solution

## ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ans. | 2 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 4 | | |