

1. Consider the following statements:

1. Fly ash is a secondary pollutant.
2. O_3 in the stratosphere is generated in the presence of light and it is a secondary pollutant.
3. Carbon monoxide through vehicular emission can be reduced using catalytic convertor.

Which of the above statement/s is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

2. Which of the following pairs is/are **correctly** matched?

<i>Pollutants</i>	<i>Major Source</i>
1. Chlorofluorocarbons (CFC)	Refrigeration and Air Conditioner
2. SO_2	Pulverized coal burning in thermal power industry
3. Lead	Gasoline and Aviation Fuel

Select the correct option using the codes given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

3. Consider the following with respect to the causes of Air pollution:

1. Burning of fossil fuels.
2. Industrial Emission
3. Indoor air pollution
4. Wild fires
5. Transportation
6. Open burning of Garbage Waste
7. Sewage Discharge

Which of the above are the major causes of Air Pollution?

- (a) 1, 2, 3 and 4 only
- (b) 5, 6 and 7 only

(c) 1, 2, 3, 4, 5 and 6 only

(d) 1, 2, 3, 4, 5, 6 and 7

4. Consider the following statements:

1. London smog is formed during warm, dry and sunny climate.
2. Oxidizing smog is formed during cold and humid climate.
3. Smoke, fog and SO_2 form the classical smog.
4. Photochemical smog is also called as Los Angeles smog.

Which of the above statement/s is/are **incorrect**?

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 1 and 4 only
- (d) 3 and 4 only

5. Consider the following statements:

1. Excessive Sulphur bearing coal burning such as lignite and peat can result in the formation of classical smog.
2. Photochemical smog is a resultant of the reaction among NO_2 , O_3 and Peroxyacetyl nitrate in the presence of sunlight.
3. O_3 that participate in Photochemical smog formation is contributed by the 'Good ozone' of stratosphere.

Which of the above statement/s is/are correct?

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

6. Consider the following statements about "Fly Ash":

1. Fly ash is the by-product of burning pulverized coal in power generating plants and it is an important constituent of gaseous pollutants.
2. Fly ash is generally devoid of any toxic heavy metal such as Lead and Arsenic.
3. Fly ash can be used in the production of bricks for building construction and as a replacement for some of the Portland cement.
4. Coal ministry has launched ASH TRACK Mobile App to monitor fly ash generation and utilization.