

Que-1 With reference to La Reunion Island, consider the following statements

- 1- This is an island in the Indian Ocean.
- 2- It is an overseas department and region of France.
- 3- Réunion is the only eurozone region located in the Southern Hemisphere.

Which of the following given above is/are correct

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

Que-2 With reference to Endosulfan, consider the following statements

- 1- Endosulfan is an off-patent organochlorine insecticide and acaricide that is being phased out globally.
- 2- It became a highly controversial agrichemical due to its acute toxicity, potential for bioaccumulation, and role as an endocrine disruptor.
- 3- Because of its threats to human health and the environment, a global ban on the manufacture and use of endosulfan was negotiated under the Geneva Convention in April 2011.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only

- c) 1, 2 and 3 d) 2 only

Que-3 According to a recent report on pollution and health published in The Lancet Planetary Health, consider the following statements

- 1- Air pollution was responsible for 17.8% of all deaths in India in 2019.
- 2- Air pollution is most severe in the Deccan Region.
- 3- The majority of the 16.7 lakh air pollution-related deaths in India – 9.8 lakh – were caused by PM2.5 pollution, and another 6.1 lakh by household air pollution.

Which of the following given above is/are correct

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

Que-4 What are the effects of lead on human health?

- 1- Once taken into the body, lead distributes throughout the body in the blood and is accumulated in the bones.
- 2- Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems and the cardiovascular system.
- 3- Lead exposure also affects the oxygen carrying capacity of the blood.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-5 Which is/are true about Wholesale Price Index (WPI)

- 1- Fiscal and monetary policy changes are not influenced by changes in WPI.
2- Wholesale price indexes (WPIs) are one indicator of a country's level of inflation.
3- A wholesale price index (WPI) measures and tracks the changes in the price of goods before they reach consumers: goods that are sold in bulk and traded between entities or businesses (rather than consumers).

Which of the following given above is/are correct

- a) 1 and 2 only b) 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-6 What are RFID (Radio Frequency Identification) tags?

- 1- It's a wireless tracking system that consists of tags and readers.
2- RFID tags use an integrated circuit and an antenna to communicate with a reader using radio waves at a fixed frequencies.

3- RFID tags are frequently used for merchandise, but they can also be used to track vehicles, pets, and even patients with Alzheimer's disease.

Which of the following given above is/are correct

- a) 1 only b) 1 and 3 only
c) 1, 2 and 3 d) 3 only
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Que-7 Consider the following statements about P-8I anti-submarine aircraft

- 1- The P-8I aircraft, produced by the US aerospace major Airbus.
2- The India Navy was the first international customer for the P-8 aircraft.
3- The aircraft is also operated by the US Navy, the Royal Australian Air Force, the United Kingdom's Royal Air Force and the Royal Norwegian Air Force.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-8 With reference to Disinvestment of Public Sector Units in India, consider the following statements

1- It is a process of public asset sales done by the President of India on behalf of the Government of India.

2- It can be directly offered for sale to the private sector or indirectly done through a bidding process.

Which of the following given above is/are correct

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2

ANSWER

1- (a)

- Like the other four overseas departments, Réunion also holds the status of a region of France, and is an integral part of the French Republic. Réunion is an outermost region of the European Union and is part of the eurozone.
- Réunion and the fellow French overseas department of Mayotte are the only eurozone regions located in the Southern Hemisphere.

2- (a)

- Because of its threats to human health and the environment, a global ban on

the manufacture and use of endosulfan was negotiated under the Stockholm Convention in April 2011.

3- (b)

- Globally, air pollution alone contributes to 66.7 lakh deaths, according to the report, which updates a previous analysis from 2015. Overall, pollution was responsible for an estimated 90 lakh deaths in 2019 (equivalent to one in six deaths worldwide), a number that has remained unchanged since the 2015 analysis. Ambient air pollution was responsible for 45 lakh deaths, and hazardous chemical pollutants for 17 lakh, with 9 lakh deaths attributable to lead pollution.

- The World Health Organization (WHO) has substantially tightened its health-based global air quality guidelines, lowering the guideline value for PM2.5 from 10 micrograms per cubic metre to 5.

- According to the report, air pollution is most severe in the Indo-Gangetic Plain. This area contains New Delhi and many of the most polluted cities. Burning of biomass in households was the single largest cause of air pollution deaths in India, followed by coal combustion and crop burning.

4- (c)

- The lead effects most likely to be encountered in current populations are neurological effects in children. Infants and young children are especially sensitive to lead exposures, which may contribute to behavioral problems, learning deficits and lowered IQ.
- Lead is persistent in the environment and can be added to soils and sediments through deposition from sources of lead air pollution. Other sources of lead to ecosystems include direct discharge of waste streams to water bodies and mining. Elevated lead in the environment can result in decreased growth and reproduction in plants and animals, and neurological effects in vertebrates.

5- (d)

- Fiscal and monetary policy changes are greatly influenced by changes in WPI.
- In 1978, the U.S. began using a more detailed producer price index (PPI) in place of wholesales price indexes (WPIs).
- WPI is an easy and convenient method to calculate inflation. Inflation rate is the difference between WPI calculated at the beginning and the

end of a year. The percentage increase in WPI over a year gives the rate of inflation for that year.

6- (b)

- RFID tags use an integrated circuit and an antenna to communicate with a reader using radio waves at several different frequencies.

7- (d)

- The P-8I aircraft, produced by the US aerospace major Boeing, with its superior maritime surveillance and reconnaissance capabilities and operational readiness has proven to be an important asset to the Indian Navy.
- The navy was the first international customer for the P-8 aircraft. The aircraft is also operated by the US Navy, the Royal Australian Air Force, the United Kingdom's Royal Air Force and the Royal Norwegian Air Force.

8- (c)