

**Q: Consider the following statement regarding Weather Information Network Data Systems (WINDS) portal:**

1. Crucial weather-related information and data will be available to the farmers through WINDS.
2. The portal also shares the ministry's parametric crop insurance scheme.
3. It was launched in July, 2023 by the Ministry of Trade and Industry.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- Weather Information Network Data Systems (WINDS) portal was launched in July, 2023 by the Ministry of Agriculture and Farmers' Welfare to leverage advanced weather data analytics to give stakeholders actionable insight to make informed weather decisions on agriculture.
- Crucial weather-related information and data will be available to the farmers through WINDS.
- The portal also shares the ministry's parametric crop insurance scheme, along with non-scheme parametric insurance industry. programmes for crop risk mitigation and disaster risk reduction and mitigation being run by the insurance industry.
- The WINDS initiative is laying emphasis on setting up a strong network of weather stations.
- Through this initiative, the target is to establish a wide network of weather stations at the block and gram panchayat level.

**Q: Consider the following statement regarding Brucella canis:**

1. It is highly contagious between Bats.
2. It can be transmitted to humans through contact with infected bodily fluids.
3. Different species of Brucella infect sheep, goats, cattle, deer, elk, pigs, and other animals.

Choose the correct option from the codes given below:

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

Ans: d

Explanation:

- Brucella canis is an infectious disease caused by the bacteria Brucella canis.
- It is highly contagious between dogs.
- It can cause infertility, mobility issues, and discomfort in affected dogs.
- Different species of Brucella infect sheep, goats, cattle, deer, elk, pigs, and other animals.
- Dogs typically contract Brucella canis through contact with infected body fluids, such as urine, vaginal discharge, or reproductive fluids, from other infected dogs.
- It can be transmitted to humans through contact with infected bodily fluids.

**Q: Consider the following statement regarding Dhruvastra Missile:**

1. It is a helicopter-launched anti-tank guided missile (ATGM) system.
2. It is a short-range air-to-surface missile.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- Dhruvastra Missile is a helicopter-launched anti-tank guided missile (ATGM) system.
- It is a short-range air-to-surface missile.
- It was indigenously developed by the Defence Research and Development Organisation (DRDO).
- Dhruvastra is the Air Force's version of Helina (Helicopter-launched Nag missile) ATGM.

**Q: Consider the following statement regarding Vanadium:**

1. It is a malleable metallic element.
2. It exhibits good corrosion resistance against alkalis and acids.
3. Leading producers are China, South Africa, and Russia.

Choose the correct option from the codes given below:

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

Ans: d

Explanation:

- Vanadium is a chemical element with the symbol "V" and atomic number 23.
- It is a silver-gray, ductile, and malleable metallic element.
- It is harder than most metals and exhibits good corrosion resistance against alkalis and acids.
- Leading producers are China, South Africa, and Russia.

**Q: Consider the following statement regarding Liptako-Gourma Charter:**

1. The Charter establishes the Alliance of Sahel States (AES).
2. The charter binds the signatories to assist one another, including militarily.
3. Liptako-Gourma region is the region where Sudan and South Sudan borders meet.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- The Liptako-Gourma Charter establishes the Alliance of Sahel States (AES).
- Its aim is to "establish an architecture of collective defence and mutual assistance for the benefit of the population.
- This alliance will be a combination of military and economic efforts between the three countries.
- The charter binds the signatories to assist one another, including militarily — in the event of an attack on any one of them.
- It also binds the three countries to work to prevent or settle armed rebellions.
- Liptako-Gourma region is the region where the Mali, Burkina Faso, and Niger borders meet.
- It has been ravaged by jihadist insurgency in recent years.