

Q: Consider the following statement regarding Cashew Crop:

1. It was introduced to India by the Portuguese in the 16th century.
2. It is very well adapted to Indian coastal areas under hot, humid conditions.
3. India holds the largest share in the world's cashew nut production and exports.

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:

- Cashew Crop is native to Brazil in Latin America and was introduced to India by the Portuguese in the 16th century (1570).
- Well-drained deep sandy loam soils are the best for growing cashews. In general, all soils, from sandy to laterite, are well suited for this crop.
- It is very well adapted to Indian coastal areas under hot, humid conditions
- In the range of 20 to 38 °C; relative humidity in the range of 60 to 95%.
- Extremely low temperatures and frost are not conducive to raising cashew plantations.
- India holds the second-largest share in the world's cashew nut production and exports.
- The country's top export destinations include the UAE, the Netherlands, Japan, and Saudi Arabia.

Q: Consider the following statement regarding Lachit Borphukan:

1. He was a Manipur warrior who defeated Sultanate army.
2. He was chosen as one of the five Borphukans.
3. Borphukan preferred guerrilla tactics.

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: b

Explanation:

- Lachit Borphukan has been revered in Assam as the warrior who defeated Mughal armies in the Battle of Saraighat in 1671.
- He was commander of the Ahom armies during the battle of Saraighat and fought on the banks of the Brahmaputra in Guwahati.
- He was a brilliant military commander.
- He was chosen as one of the five Borphukans of the Ahom kingdom by King Charadhwaj Singha and given administrative, judicial, and military responsibilities.
- Borphukan preferred guerrilla tactics, which provided an edge to his smaller but fast-moving and capable forces.

Q: Consider the following statement regarding Amplifi 2.0 Portal:

1. The portal aims to provide data on Indian cities.
2. It provides data on a range of information for several cities, including the total diesel consumption and the number of samples tested for water quality.

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:

- Amplifi (Assessment and Monitoring Platform for Liveable, Inclusive, and Future-Ready Urban India) portal aims to provide data on Indian cities.
- It is making raw data from Indian cities available on a single platform for academics, researchers, and stakeholders to help data-driven policymaking.
- Currently, 258 urban local bodies (ULB) have been on-boarded, and data for 150 cities is available on the portal.
- It provides data on a range of information for several cities, including, for example, the total diesel consumption and the number of samples tested for water quality.

Q: Consider the following statement regarding Avian Influenza virus (H9N2):

1. The virus causes human influenza as well as bird flu.
2. Poultry is considered a genetic incubator for the origin of the H9N2 novel avian influenza virus.
3. The severity of the disease depends on the virus causing the infection.

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:

- Avian Influenza virus (H9N2) is a subtype of influenza, a virus that causes human influenza as well as bird flu.
- This virus is found worldwide in wild birds and is endemic to poultry in many areas.
- Poultry is considered a genetic incubator for the origin of the H9N2 novel avian influenza virus that infects humans.
- Symptoms
- Infections range from mild, flu-like symptoms or eye inflammation to severe, acute respiratory disease or death.
- The severity of the disease depends on the virus causing the infection and the characteristics of the infected individual.

Q: Consider the following statement regarding Rheumatoid Arthritis (RA):

1. It is an autoimmune and inflammatory disease.
2. It attacks the joints, usually many joints at once.
3. It does not affect other tissues.

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:

- Rheumatoid Arthritis (RA) is an autoimmune and inflammatory disease, which means that your immune system attacks healthy cells in your body by mistake, causing inflammation (painful swelling) in the affected parts of the body.
- RA mainly attacks the joints, usually many joints at once. RA commonly affects joints in the hands, wrists, and knees.
- In a joint with RA, the lining of the joint becomes inflamed, causing damage to joint tissue. This tissue damage can cause long-lasting or chronic pain, unsteadiness (lack of balance), and deformity (misshapeness).

- RA can also affect other tissues throughout the body and cause problems in organs such as the lungs, heart, and eyes.
- Cause: RA is the result of an immune response in which the body's immune system attacks its own healthy cells. The specific causes of RA are unknown, but some factors can increase the risk of developing the disease.