



MCQs:

1. Which of the following statement/s is/are true?

- 1. Gene modulation refers to the process of permanently altering gene expression levels.**
- 2. CRISPRi techniques can be used in gene modulation.**

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

Ans: b

Explanation:

- Gene modulation refers to the process of temporarily altering gene expression levels without making heritable changes to the underlying cellular DNA.
- The most common gene modulation techniques involve silencing gene function (knockdown) via RNAi or CRISPRi techniques, or increasing expression (activation/overexpression) via cDNA, ORF or CRISPRa techniques.

2. Puga Geothermal powerpalnt is located at?

- (a) Ladakh
(b) Meghalaya
(c) Daman
(d) Himachal Pradesh

Ans: a

Explanation:

- ONGC has started drilling its first well at Puga (Ladakh) to generate electricity using geothermal power.

3. Unified Payments Interface (UPI) was developed by?



- (a) Bank Board Bureau
- (b) Reserve Bank of India
- (c) National Payment Cooperation of India
- (d) None of the above

Ans: c

Explanation:

- Unified Payments Interface (UPI) is an instant real-time payment system developed by National Payments Corporation of India (NPCI).

4. Which of the following statement/s are true?

- 1. Niger is a minor oilseed crop that is grown predominantly under rainfed conditions.**
- 2. It is one of the 14 kharif crops for which the Centre releases a minimum support price (MSP) every year.**

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

Ans: c

Explanation:

- **Niger is a minor oilseed crop** that is grown predominantly under rainfed conditions.
- Native to Ethiopia, Eritrea and Malawi, niger seeds are also grown in India. Niger seeds resemble sunflower seeds in shape, but are smaller in size and black.
- The crop neither requires much water nor fertilisers and pesticides. **It is one of the 14 kharif crops for which the Centre releases a minimum support price (MSP) every year.**

5. Pandurang Khankhoje is associated with?

- (a) Landholders Society
- (b) British India Association



(c) East India Association

(d) Ghadar Party

Ans: d

Explanation:

- In the years preceding World War I, Khankhoje was one of the founding members of the Pacific coast Hindustan association, and subsequently founded the Ghadar Party. He was at the time one of the most influential members of the party.