



MCQs:

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

- 1. Germline gene therapy targets the reproductive cells.**
- 2. Any changes made to the DNA of reproductive cells involved in germline gene therapy will be passed on to the next generation.**

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

Ans: c

Explanation:

- Germline gene therapy targets the reproductive cells, meaning any changes made to the DNA will be passed on to the next generation Germline gene therapy is when DNA is transferred into the cells that produce reproductive cells, eggs or sperm, in the body.

2. In India, the term "Public Key Infrastructure is used in the context of?

- (a) Digital security infrastructure
(b) Food security infrastructure
(c) Health care and education infrastructure
(d) Telecommunication and transportation infrastructure

Ans: a

Explanation:

- Public Key Infrastructure (PKI) is a technology for authenticating users and devices in the digital world.

3. Malavikagnimitram was written by?

- (a) Kalidasa



(b) Vetala Bhatta

(c) Varahamihira

(d) Vararuchi

Ans: a

Explanation:

- Kalidasa was a famous Sanskrit writer and poet in the court of Chandragupta II (Vikramaditya). Malavikagnimitram -tells the story love of King Agnimitra with Malavika.

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

1. Plant cell has a cell wall.

2. Plant cells have a large central vacuole that can occupy up to 90% of the cell's volume.

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: c

Explanation:

- Plant cells have a large central vacuole that can occupy up to 90% of the cell's volume. Animal cells may have many small vacuoles, a lot smaller than the plant cell.

5. With reference to the history of India, "Ulgulan" or the Great Tumult is the description of which of the following events?

(a) The Revolt of 1857

(b) The Mappila Rebellion of 1921

(c) The Indigo Revolt of 1859 – 60

(d) Birsa Munda's Revolt of 1899 -1900



Ans: d

Explanation:

- Munda Rebellion is one of the prominent 19th century tribal rebellions in the subcontinent. Birsa Munda led this movement in the region south of Ranchi in 1899 - 1900. The ulgulan, meaning 'Great Tumult', sought to establish Munda Raj and independence.