

HIS/SCI/CA

- Which of the following were a part of the grand alliance that fought Vijayanagara Empire at the Battle of Talikota?
 - Sultans of Bijapur, Bahamani, and Golconda
 - Sultans of Bijapur, Bahamani, and Ahmednagar
 - Sultans of Bahamani, Berar, and Golconda
 - Sultans of Bijapur, Ahmadnagar and Golconda**
- Consider the following statements:
 - Near Field Communication Technology always consumes little power as compared to the Bluetooth technology.
 - Near Field Communication Technology (NFC) is a contactless communication that uses radio waves for communication.

Which of the statements given above is/are correct?

- 1 only
 - 2 only**
 - Both 1 and 2
 - Neither 1 nor 2
- Diatom test was in news recently, it relates to:
 - To ascertain death due to drowning.**
 - To ascertain spin of an atomic sub- particle.
 - To check the spin angle of a bowler.
 - To check the potentiality of an atom bomb.
 - With reference to Smart Event Tracking System (SETS), consider the following statements:
 - It is a new tool deployed by Indian Railways.
 - It will help railways to map locations as well as patterns in incidents of chain- pulling.

Which of the statements given above is/are correct?

- 1 only**
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
- With reference to Semi Cryogenic engine consider the following statements:
 - It uses ISROSENE as fuel.
 - ISROSENE is a far 'greener' fuel than the fuel currently used in Indian rockets.

Which of the statements given above is/are correct?

- 1 only
 - 2 only
 - Both 1 and 2**
 - Neither 1 nor 2
- Consider the following statements regarding Ultraviolet (UV) radiation.
 - UV-C radiation can be used to disinfect the air and also in water treatment.
 - UV-A rays can penetrate the middle layer of human skin and can cause aging of skin cells and damage the cells' DNA.

Which of the above statements is/are incorrect?

 - 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2**
 - Consider the following statements about the 'Satya Shodhak Samaj':
 - Jyotirao Phule was the founder of the Satya shodhak Samaj.
 - It worked for women's education.
 - It advocated the approach of Vedic culture, Upanishad and the predominance of Aryan society.
 - Phule was awarded the title 'Mahatma' for his social reform work.

Which of the given above statements are correct?

- 1, 2 and 4 only**
- 1 and 3 only
- 2 and 4 only
- 1, 2, 3 and 4

8. Consider the following statements about the 'Swaraj Party':

1. It was formed after the split within Congress in the Gaya session due to the calling off of the Non-cooperation movement.
2. Motilal Nehru and C.R. Das was associated with the party.
3. It demanded the setting up of a responsible government in India with the necessary changes in the Government of India Act of 1919.

Which of the given above statement(s) is/are correct?

- (a) 1 only
(b) 2 and 3 only
(c) 1 and 3 only

(d) 1, 2 and 3

9. Bollgard I and Bollgard II technologies are mentioned in the context of which of the following?

- a) clonal propagation of crop plants
b) developing genetically modified crop plants
c) production of plant growth substances
d) production of biofertilizers

10. Which of the following is not correct about Delhi Pact?

- a) It was signed between Gandhiji and Viceroy Irwin.
b) It placed the Congress on an equal footing with the Government.
c) Under it the Government agreed to grant the right to make salt in coastal villages for personal consumption.
d) It accepted Gandhiji's demand for public inquiry into police excesses.

11. Consider the following events:

1. Formation of the forward bloc
2. Britain's declaration of war on Germany in the Second World War.
3. August Offer
4. Day of Deliverance

Which of the following is the correct chronological sequence of the above events (earliest first) :

- a) 4-1-3-2
b) 3-2-4-1
c) 2-3-4-1
d) 1-2-4-3

12. Ultrasonic waves are used for stirring liquid solutions because they

- (a) Do not produce noise during the operation
(b) Are easy to produce
(c) Can produce perfectly homogeneous solution
(d) do not produce chemical reactions in the solution

13. With reference to events which occurred during the reign of Shahjahan, which of the following statements is not correct?

- a) The capital of the mughal empire was shifted from Agra to Delhi.
b) Monthly scale was introduced in Mansabdari system.
c) Foreign traveler Bernier visited the Mughal court.
d) Jats and Satnamis raised the banner of rebellion.

14. With reference to Delhi Sultanate, 'Diwan-i-Arz' refers to which of the following?

- a) Revenue department
b) Slave department
c) Military department
d) Ceremonies department

15. In the context of Ancient India, 'Kumaramatyas' and 'Ayuktas' were

- a) administrative officials in the Mauryan court.
b) provincial units in the Gupta Empire.
c) provincial administrators appointed in the Gupta empire.
d) officers in-charge of revenue administration in the Chola Period

16. The plants, which grow under water stress conditions of deserts are :

- a) Epiphytes
b) Xerophytes
c) Heliophytes

d) Sciophytes

17. Consider the following statements:

1. She was first Indian woman to become a teacher.
2. She also worked towards preventing female infanticide and set up a home, Balhatya Pratibandhak Griha.
3. She wrote Bavan Kashi Subodh Ratnakar.

The above mentioned statements are associated with which of the following social reformer:

- a) Fatima Sheikh
- b) Pandita Ramabai
- c) Ramabai Ranade
- d) Savitribai Phule**

18. Consider the following pairs about mission sagar

1. Mission Sagar-I - INS Kesari
2. Mission Sagar-II - INS Airavat
3. Mission Sagar-III - INS Kiltan
4. Mission Sagar -IV - INS Jalashwa

How many above pairs are correctly matched

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All the four pairs**

19. Which of the following best describes the term "Gravity Anomaly"?

- a) It refers to regions on Earth's surface where the value of gravity is zero.
- b) It refers to the declining value of gravity on approaching the center of the Earth.
- c) It refers to the increasing value of gravity on approaching the center of the Earth.

d) It refers to the difference between the observed value of gravity and the expected value of gravity

20. With reference to the Anti-microbial resistance, consider the following statements:

1. It is a gain of susceptibility of bacteria to the killing properties of an antibiotic agent.
2. It may result in the formation of super bugs.

Which of the following statement is/are correct?

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

21. Consider the following statements regarding the economy of the Vijayanagara Empire.

3. Trade was contributing more to the revenue of the empire than agriculture.
4. The society was highly egalitarian.
5. Only gold coins were in circulation in the economy.

Which of the above statements is/are incorrect?

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

22. Which of the following controlled environment agriculture technology must be used when there is very high water scarcity and highly degraded soil?

- a) Atmoponics**
- b) Organoponics
- c) Geoponics
- d) Xeriscaping

23. Consider the following statements about the recognition of Indian Art and Culture:

1. Shantinatha Charita is the only Jain literature to be registered under the UNESCO Memories of the World Programme.
2. Buddhist Chanting of Ladakh is the only practice of Buddhism to be registered under the UNESCO List of Intangible Cultural Heritage.
3. The Sri Harminder Sahib is the only monument of Sikhism to be recognized under UNESCO Cultural Heritage Sites.

Which of the statements given above is/are correct?

- a) 1 only
 - b) 1 and 2 only**
 - c) 2 and 3 only
 - d) 1, 2 and 3
24. Recently, the 'Mulla Committee' was in the news. It is related to which of the following?
- a) Minorities
 - b) Jail reforms**
 - c) Forest cover
 - d) Disaster management
25. Consider the followings diseases
- 1. Polio
 - 2. Rotavirus
 - 3. Measles rubella
 - 4. Adult Japanese encephalitis
 - 5. Pneumonia
 - 6. Adult diphtheria
- Which of the above disease does have vaccine in India?
- a) 1,2,3, and 5 only
 - b) 1,2,4,and 6 only
 - c) 1,2,and 3 only
 - d) All of the above**



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