

SC&TECH/HIS/CA

1. With reference to Indian culture and Tradition what is Rasleela?

- (a) A style in Hindustani Music
- (b) A chanting technique in Jainism
- (c) **A dance form of Vaishnavism**
- (d) None of the above

2. Hiuen Tsang left China and travelled to India.

- (a) To study in Buddhist university of Nalanda
- (b) To collect Buddhist texts from India
- (c) To account social and economic life of Indian rulers and to spread Buddhism
- (d) **Both (a) and (b)**

3. The Book Lilavati of Bhaskara is related to

- (a) Astronomy
- (b) **Mathematics**
- (c) A Love Story
- (d) An Autobiography

4. Consider the following statements:

- 1. Akbar Nama and Badshah Nama are the important illustrated Mughal official histories.
- 2. While-Akbar Nama was written by Abdul Hamid Lahori, Badshah Nama was authored by Abul Fazl.

3. The Akbar Nama is divided into three books, of which the third book is the Ain-i-Akbari.

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

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

5. In Sanskrit plays written during the Gupta period women and sudras speak

- (a) Sanskrit
- (b) **Prakrit**
- (c) Pali
- (d) Sauraseni

6. Who among the following was a brahmavadini who composed some hymns of the Vedas?

- (a) **Lopamudra**
- (b) Gargi
- (c) Leelavati
- (d) Savitri

7. The ancient Indian play Mudrarakshasa of Visakhadutta has its subject on

- (a) A conflict between Gods and Demons of ancient Hindu lore
- (b) A romantic story of an Aryan prince and a tribal woman
- (c) the story of the power struggle between two Aryan tribes
- (d) **the court intrigues at the time of Chandragupta Maurya**

8. 'Mrichchhakatika' an ancient Indian book written by Shudraka deals with

- (a) **The love affair of a rich merchant with the daughter of a courtesan**
- (b) The victory of Chandragupta II over the Shaka kshatrapas of western India
- (c) The military expeditions and exploits of Samudragupta
- (d) The love affair between a Gupta king and a princess of Kamarupa

9. Consider the following statements:

- 1. The Arab merchant Sulaiman called the Pala kingdom "Ruhma".
- 2. The Pala rulers had close cultural relations with Tibet.
- 3. The Pala rulers patronized Shaivism and Vaishnavism.

Which of the statements given above is/are correct?

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

10. Which of the following statements is/are correct about the Pala dynasty?

- 1. The Palas profited from trade with south-east Asia.
- 2. Santarakshita and Dipankara, during this period, spread a new form of Buddhism in south-east Asia.
- 3. The Vikramasila University was established during this period.

Select the correct answer using the code given below:

- (a) 1 only

(b) 1 and 3 only

(c) 2 and 3 only

(d) 1, 2 and 3

11. Which of the following metals can be found in the earth crust in their free state?

1. Gold
2. Silver
3. Copper
4. Aluminium
5. Iron

Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 1, 2 and 5 only

(c) 3, 4 and 5 only

(d) 1, 2 and 3 only

12. Which of the following types of satellites are generally operated from Low Earth Orbit?

1. Remote Sensing satellite
2. Communication satellite
3. Weather forecasting satellite
4. International Space Station
5. Spy satellite

Select the correct answer using the code given below:

(a) 1, 4 and 5 only

(b) 1, 2 and 3 only

(c) 2, 3 and 5 only

(d) 2, 3 and 4 only

13. Which of the following are the examples of convective heat transfer?

1. Water boiling in a utensil.
2. Heat transfer from the Sun to Earth.
3. Heat transfer between two metallic bodies in contact.

Select the correct answer using the code given below:

(a) 1 only

(b) 1 and 2 only

(c) 2 and 3 only

(d) 1, 2 and 3

14. With reference to lifecycle of a star, arrange the following events/processes in the correct sequential order (from star birth to its death):

1. Red giant
2. Protostar
3. Fusion ignition
4. White dwarf

Select the correct answer using the code given below.

(a) 1-2-3-4

(b) 2-1-3-4

(c) 2-3-1-4

(d) 2-3-4-1

15. Consider the following statements about the "International Energy Agency":

1. A candidate country to the International Energy Agency must be a member country of the Organisation for Economic Co-operation and Development.
2. India is neither a member country nor an association country of the International Energy Agency.
3. It releases World Energy Outlook report annually.

Which of the statements given above is/are correct?

(a) 2 only

(b) 1 and 3 only

(c) 2 and 3 only

(d) 1, 2 and 3

16. With reference to the fundamental forces of nature, consider the following statements:

1. Gravitational force is always attractive but electromagnetic force can be both attractive and repulsive.
2. Gravitational force is only dependent on mass of the object while the electromagnetic force is dependent on both mass and charge of the object.
3. While gravitational force is dependent upon the distance between the two bodies, electromagnetic force is independent of the distance between the bodies.

Which of the statements given above is/are correct?

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

17. Consider the following pairs

- 1. Kashiwazaki-Kariwa Nuclear Power Plant - South Korea
- 2. Bruce Nuclear Generating Station - Canada.
- 3. Hanbit Nuclear Power Plant - Japan
- 4. Zaporizhzhia Nuclear Power Plant - Ukraine.

How many above pairs is/are correctly matched?

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

18. Dark sky reserve is majorly related to which of the following?

- 1. Light pollution
- 2. Astronomy
- 3. Particulate matter model of physics

Select the correct option using the code given below:

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

19. "Rosetta stone" recently seen in news was discovered in which of the following country?

- a) UK
- b) USA
- c) Egypt**
- d) Libya

20. Consider the following pairs of rocket systems and respective countries:

- 1. Tornado – Russia
- 2. Piana – India
- 3. HIMARS – USA

Which of the pairs given above are matched correctly?

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

21. Artemis lunar exploration program, recently seen in the news, is an initiative of which among the following?

- (a) ROSCOSMOS
- (b) NASA**
- (c) JAXA
- (d) SpaceX

22. The operation 'NARCOS', recently in news, is a month long pan India drive against smuggling of narcotics initiated by which of the following organization?

- a) Central Reserve Police Force
- b) Railway Protection Force**
- c) Indo Tibetan Border Police
- d) Sashastra Seema Bal

23. With reference to Ambedkar Circuit consider the following pairs

- 1. Delhi – Mahaparinirvana Bhoomi
- 2. Mumbai- Deeksha Bhoomi
- 3. Mhow- Janma Bhoomi
- 4. Nagpur- Chaitya Bhoomi

Which of the above pairs are correctly matched?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 3 and 4 only
- d) 1 and 3 only**

24. Consider the following statements with regards to PSLV Orbital Experimental Module or 'POEM' recently launched by ISRO

1. The special feature of POEM is that it will derive its all the powers only from solar panels mounted around the PS4 tank in all stages.
2. POEM has a dedicated Navigation Guidance and Control (NGC) system which will act as the platform's brain to stabilize it in attitude with specified accuracy

Which of the above statement or statements is or are correct?

- a) 1 only
 - b) 2 only**
 - c) Both 1 and 2
 - d) Neither 1 nor 2
25. The Incheon commitment/strategy 2013-2022 refers to which of the following statements?
- a) Better relationship of India with South Korea.
 - b) Empowerment of disabled persons.**
 - c) Sustainable Development of Indian Ocean region.
 - d) Higher education development in India.



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