

**HISTORY & ART/CULTURE**

1. 'Vesak' or 'Wesak' often seen in news is related to

**(a) An annual Buddhist festival celebrated by Chakma tribe.**

(b) An annual buffalo race event in Kerala.

(c) A traditional hand woven dress from Nagaland recently accorded GI tag.

(d) A theatre tradition of Andhra Pradesh.

2. With reference to the metal sculptures of Indus Valley Civilization, consider the following statements:

1. Sand-casting was the most prevalent technique used in making metal sculpture.

2. Only human figures were made of metal.

3. The late Harappan and Chalcolithic sites lacked metal-cast sculptures.

Which of the statements given above is/are correct?

(a) 1 only

(b) 1 and 2 only

(c) 2 and 3 only

**(d) None**

3. Consider the following statements about the reign of King Ashoka:

1. He is the first Indian king to communicate directly to the people through his inscriptions.

2. Ashokan inscriptions are found only in India.

3. Along with Sanskrit, languages like Aramaic and Greek were also used on the inscriptions.

Which of the statements given above is/are correct?

**(a) 1 only**

(b) 1 and 2 only

(c) 1 and 3 only

(d) 2 and 3 only

4. The Khajuraho temple complex was patronized by which of the following dynasty?

(a) Solanki dynasty

**(b) Chandela dynasty**

(c) Parmar dynasty

(d) Chauhan dynasty

5. Consider the following statements:

1. Nath-Panthis were the followers of saints Gorakhnath & Matsyendranath.

2. They didn't believe in supernatural powers and practices.

3. They denounced the caste system and privileges claimed by Brahmans.

Which of the statements given above is/are correct?

**(a) 1 and 3 only**

(b) 2 only

(c) 1 and 2 only

(d) 1, 2 and 3

6. Which of the following dynasties was not a part of the long-drawn tripartite struggle for the control over Kananuj during the 8<sup>th</sup> century A.D.?

(a) Gurjara-Pratiharas

(b) Rashtrakutas

**(c) Chalukyas**

(d) Palas

7. With reference to "Gurbani", consider the following statements:

1. It is a collection of hymns of only Sikh Gurus.

2. It was finally compiled by Guru Angad, the disciple of Baba Guru Nanak.

3. These hymns were composed in multiple languages.

Which of the statements given above is/are correct?

(a) 1 only

**(b) 3 only**

(c) 1, 2 and 3

(d) None

8. Consider the following statements in the context of Buddhist literature:

1. None of the Buddha's speeches were written down during his lifetime.

2. Buddha's teachings were compiled as Vinaya Pitaka.

3. The rules and regulations for the members of sangha were laid down in Sutta Pitaka.

Which of the statements given above is/are correct?

**(a) 1 only**

(b) 2 and 3 only

(c) 3 only

(d) All of the above

9. Which of the following were the major import items during Mughal period?

1. Ivory

2. Copper

3. Salt petre

4. War horses

Select the correct answer using the code given below.

(a) 1 and 3 only

(b) 1, 3 and 4 only

(c) 2, 3 and 4 only

**(d) 1, 2 and 4 only**

10. Consider the following statements with reference to Mansabdari system:

1. It was an administrative system responsible for looking after the civil and military affairs of the state.

2. It was introduced in India by Akbar.

3. Mansabdars were paid in the form of assignments of areas of land (jagir).

Which of the statement given above is/are

correct?

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

**(d) 1, 2 and 3**

**SCIENCE & TECHNOLOGY**

11. Consider the following statements.

1. Variations in the Solar weather can change the orbits of satellites or shorten their lives.
2. A satellite placed in the halo orbit around Lagrangian Point 1 (L1) of the Sun-Earth system has the advantage of continuously viewing the Sun without any occultation.
3. Satellites placed in the Lagrange Points require more fuel to remain in position.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

12. Luna 25 spacecraft, that was recently in news, was launched by

- a) National Aeronautics and Space Administration (NASA)
- b) European Space Agency
- c) Japan Aerospace Exploration Agency (JAXA)
- d) Roscosmos**

13. Consider the following statements.

1. Molasses contains sucrose, glucose and fructose.
2. Ethanol yields from grains are higher than from molasses due to higher starch content in molasses compared to grains.
3. India's ethanol programme is reliant on a single crop.

How many of the above statements are correct?

- (a) Only one**
- (b) Only two
- (c) All three
- (d) None

14. Consider the following statements regarding Dark Matter and Dark Energy.

1. Dark energy is a mysterious force that drives the accelerating expansion of the universe.
2. Dark matter interacts with the universe through its gravity.
3. Dark Energy constitutes roughly 27% and Dark matter makes up about 68% of the universe.

How many of the above statements are correct?

- (a) Only one
- (b) Only two**
- (c) All three
- (d) None

15. Consider the following statements.

1. Hydrogen is an energy carrier, not a source of

energy.

2. Fuel cell-based vehicles most commonly combine hydrogen and oxygen to produce electricity to power the electric motor on board.
3. Hydrogen is twice as efficient as burning petrol.

How many of the above statements are correct?

- (a) Only one
- (b) Only two
- c) All three**
- d) None

16. Consider the following statements.

1. Indian Computer Emergency Response Team (Cert-In) functions under the Ministry of Home Affairs.
2. A virtual private network (VPN) creates several proxy identities for user's data and delivers it safely without disturbing the content of the data.
3. Internet protocol address (IP address) helps law enforcement agencies track down individual users and their location.

How many of the above statements are correct?

- (a) Only one
- (b) Only two**
- (c) All three
- (d) None

17. Consider the following statements regarding Recirculatory Aquaculture System (RAS).

1. In Recirculatory Aquaculture System (RAS), water is recycled and reused after mechanical and biological filtration.
2. It is an intensive high-density fish culture and the method can be used for only specific species of fishes.
3. This method mainly involves growing of fish outdoors in open ponds.

How many of the above statements are correct?

- a) Only one**
- b) Only two
- c) Only three
- d) None

18. Why are Bacteriophages seen as a possible therapy against multi-drug-resistant strains of many bacteria?

1. These are ubiquitous viruses found wherever bacteria exist and can kill bacteria.
2. They do not contain any RNA or DNA and thus cannot be infected by bacteria.

Select the correct answer code:

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

19. Fourth Industrial Revolution (4IR) is a

collection of which of the following technologies?

1. Cloud computing
2. Augmented reality
3. Autonomous robots
4. Additive manufacturing
5. Internet of things (IoT)

How many of the above options are the correct?

- a) Only two
- b) Only three
- c) only four
- d) All Five**

20. Nuclear fusion is a phenomenon related to

- a) Light nucleus splitting
- b) Heavy nucleus splitting
- c) Light nuclei combining**
- d) Heavy nuclei combining

### CURRENT AFFAIRS

21. Consider the following statements regarding Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).

1. The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) is a United Nations body that strengthen the science-policy interface for biodiversity and ecosystem services.
2. It is intended to serve a similar role to the Intergovernmental Panel on Climate Change.
3. United Nations Environment Programme (UNEP) provides secretariat services to IPBES.

How many of the above statements are correct?

- (a) Only one
- (b) Only two**
- (c) All three
- (d) None

22. Maui Island and the town of Lahaina were recently in the news due to:

- (a) Rising of Sea Level
- (b) Wildfires**
- (c) Floods
- (d) Typhoon

23. Which of the following countries has launched a “sponge city” initiative aimed at reducing urban flood risks?

- (a) China**
- (b) Bangladesh
- (c) India
- (d) United States

24. With reference to the Assam Rifles, consider the following statements:

1. It is one of the central armed police forces (CAPFs) under the administrative control of the Ministry of Home Affairs (MHA).
2. It is tasked with maintaining law and order in the Northeast along with the Indian Army.

3. It is the only paramilitary force with a dual control structure.

4. The Assam Rifles guard the India-China border.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) Only three**
- (d) All four

25. Katchatheevu Island was in the news recently.

It is an island between:

- (a) Yemen and Djibouti
- (b) Kerala and Lakshadweep
- (c) Tamil Nadu and Sri Lanka**
- (d) Andaman Islands and Nicobar Islands