

## HISTORY/ART & CULTURE

1. Consider the following statements regarding temple architecture in India:

1. In Khajuraho school both the interior and exterior walls were lavishly decorated with carvings and are mostly made up of sandstone
2. In Solanki school the walls are devoid of any carving and they used a variety of material to make temples.
3. The Nayaka school of architecture, also known as Madurai school, has an Islamic influence.

Which of the statements given above are incorrect?

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

**(d) None of the above**

2. With reference to the Dravidian style of Temple architecture, Consider the following statements:

1. The Dravidian temples were surrounded by high boundary walls.
2. Two different vimanas are present on the top of the main temple.
3. The entrance of the garbhagriha had sculptures of Dwarapala, Mithun, and Yakshas.
4. The presence of a water tank inside the temple enclosure was a unique feature of the Dravidian style. Which of the statements given above is/are correct?

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

3. Consider the following statements regarding Vesara style of temple architecture:

1. The style of temple architecture that became popular in northern India is known as vesara style
2. The height of the temple tower over the sanctum is usually shorter than the Vimanas in Dravida temples.
3. The style was started by the Chalukyas of Badami and was further improvised by Rashtrakuta and Hoysala dynasties.

Which of the statements given above is/ are correct?

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

4. Consider the following statement about the pahari style of painting.

1. Basohli school is a painting of pahari style.
2. Gita Govinda, Bhagavata purana and satsai are among the several famous subjects of this style of

painting.

Which of the statements given above are correct?

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

5. Consider the following statement with reference to Medicine during Ancient times:

1. Rig Veda was the first book where we find mention of diseases, its cure and medicines.
2. Takshila and Varanasi emerged as the centers for medicinal learning around 600 BC
3. Charak Samhita deals with Surgery whereas Sushruta Samhita deals with Ayurveda.

Which of the statements given above is/are incorrect?

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

**(d) 1 and 3 only**

6. Which of the following Harappan sites is/are found in India?

1. Nageshwar
2. Lothal
3. Ganweriwala
4. Mitathal
5. Amri

Select the correct answer using the code given below.

- (a) 1, 2 and 4 only
- (b) 1, 2 and 4 only**
- (c) 2, 3 and 5 only
- (d) 1, 2, 3 and 5 only

7. With reference to the craft production during the Indus Valley civilization, consider the following statements:

1. The dancing girl figurine discovered at Mohenjodaro is made of terracotta.
2. The Harappan pottery is well baked with floral and faunal patterns.

Which of the statements given above is/are incorrect?

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

8. During the Later Vedic period the term 'Goghna' referred to as which of the following?

- (a) A place for keeping of cattles won after a war.
- (b) A ritual practiced to invoke the God's.
- (c) Sacrifices that involved killing of cattles in mass.

**(d) A guest who was fed on cattle meat.**

9. Which of the following texts are known as late vedic texts?

1. Samhita
2. Brahmana
3. Yajur veda
4. Upanishad
5. Aranyakas

Select the correct answer using the code given below.

- (a) 1, 3 and 4 only
- (b) 2, 4 and 5 only
- (c) 1, 2 and 3 only
- (d) 1, 2, 3, 4 and 5**

10. During the Rig vedic period langla and sura terms refers to which of the following?

- (a) Widow women
- (b) Artisans
- (c) Private property in land
- (d) Plough**

### SCIENCE & TECHNOLOGY

11. Tooth enamel is the hardest substance in the body. It does not dissolve in water but is corroded when the pH in the mouth is below 5.5. It is made up of :

- (a) Calcium phosphate**
- (b) Calcium Oxide
- (c) Potassium Hydroxide
- (d) Potassium Chloride

12. The term 'synNotch' is sometimes seen in the news with reference to

- (a) CAR T-cell Therapy**
- (b) Blockchain technology
- (c) Artificial neural networks
- (d) E-commerce

13. Consider the following:

1. Variable Rate Applicator
2. Geographic Information Systems (GIS)
3. Remote Sensing (RS) technique
4. Global Navigation Satellite Systems (GNSS)

Which of the above technologies are used in precision farming?

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

14. The term "Kessler Syndrome" is talked about in the context of:

- (a) Climate change
- (b) Space debris**
- (c) Genetically Modified (GM) crops
- (d) Drone warfare

15. Consider the following pairs:

- | Term in the news | Entity          |
|------------------|-----------------|
| 1. WALLABY:      | Radio telescope |
| 2. Gaia BH1:     | Satellite       |
| 3. RAD12:        | Galaxy          |

Which of the pairs given above is/are correctly

matched?

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

16. In the context of evolution of science and technology during medieval India, Yantraja is a/an

- (a) astronomical instrument**
- (b) hydraulic wheel to draw water
- (c) type of lock
- (d) coin-making device

17. With reference to 5G communications, consider the following statements:

1. It can operate in all three band spectrums.
2. It places special emphasis on low latency and energy efficiency.
3. 5G cell tower coverage is less extensive than 4G.

Which of the statements given above are correct?

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

18. Recently country's first green Hydrogen Mobility project has been decided to set up in which of the following states/UTs?

- (a) Gujarat
- (b) Ladakh**
- (c) Chandigarh
- (d) Mizoram

19. Consider the following:

1. Blood tests
2. Pottery
3. Washing Machines

Which of the above uses centrifugal force to function?

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

20. The terms 'ChatGPT, DALL-E and LaMDA' sometimes mentioned in the news recently are related to

- (a) Artificial Intelligence**
- (b) Crypto-currency
- (c) Nano-satellites
- (d) Payment Gateways

### CURRENT AFFAIRS

21. Which among the following best describes INS Vikramaditya?

- a) It is a guided-missile destroyer.
- b) It is a Kiev-class aircraft carrier.**
- c) It is a multi-purpose frigate.
- d) It is a nuclear powered submarine.

22. Consider the following statements regarding Golden Jackal:

1. It is a medium-sized wolf-like canid that feeds on both plants and meat.
2. It is classified as 'Least Concern' under the IUCN Red List.

Which of the statements given above is/are correct?

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

23. Consider the following statements regarding the General Consent to the Central Bureau of Investigation (CBI):

1. When a state gives general consent to the CBI, the agency is not required to seek fresh permission every time it enters that state in connection with an investigation.
  2. Withdrawal of general consent means the CBI cannot continue to investigate any cases in a state.
- Which of the statements given above is/are correct?

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

24. Gender Social Norms Index (GSNI), which was recently seen in the news, is released by which organization?

- a) World Economic Forum
- b) United Nations Development Programme**
- c) World Bank
- d) None of these

25. With reference to Leptospirosis, consider the following statements:

1. It is caused by a bacterium called *Leptospira interrogans*.
2. It doesn't transmit to humans from animals.

Which of the statements given above is/are correct?

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