

## HISTORY/ART & CULTURE

1. Consider the following statements regarding the Nagara style of temple architecture:

1. In the Latina style of temple architecture the buildings are shorter and show a gentle rise as compared to phamsana type.
2. In many Nagara-style temples both phamsana and latina types of shikhara can be seen for manadapa and garbhagriha of a same temple respectively.
3. In the Vallabhi type of architecture buildings have a rectangular roof and are also known as wagon vaulted roofs.

Which of the above statements are correct?

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

2. Which of the following Mahajanpadas during the age of Buddha, were ruled by republican clan Oligarchies?

1. Mallas
2. Avanti
3. Magadha
4. Vajji

Select the correct answer using the code given below.

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

3. Consider the following statements about the Iqta system:

1. Although the Iqta system originated in the Islamic world, it was institutionalized and popularized in India by Iltutmish.
2. Firoz Shah Tuglaq made Iqtas a hereditary system.
3. Iqta-holders were required to furnish military assistance to the state.

Which of the statements given above is/are correct?

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

4. Which of the following statements are correct regarding the Mughal paintings?

1. During the reign of Akbar, apart from depicting scenes from the Persian text of Mahabharata, the painters even drew Persian fables and manuscripts.
2. Due to Indian influence on Mughal paintings, the flat two-dimensional effect of the Persian style was replaced by a three-dimensional effect.

3. Foreshortening technique of creating perspective was an indigenous innovation of the Mughal School.

4. As a trend in the Mughal school a single artist was used to commission an entire painting. Select the correct answer using the code given below.

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

5. Which of the following travellers had visited and written about the Vijayanagara Empire?

1. Domingo Paes
2. Fernão Nuniz
3. Niccolao Manucci

Select the correct answer using the code given below.

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

6. In the context of medieval India, the Tulugma System of warfare was used by

- (a) Mughal forces representing Akbar in the Battle of Haldighati against Maharana Pratap.  
(b) Aurangzeb in his battle against Dara Sikoh in the battle of Samugarh.  
(c) Akbar in his battle against Chand Bibi of Ahmednagar.

(d) Babur in the First Battle of Panipat.

7. Consider the following statements with respect to Mahayana Buddhism:

1. Its ultimate goal is 'spiritual upliftment'.
2. The school is more liberal and believes in the heavenliness of Buddha.
3. Its scholars predominantly used Pali as a language.
4. Emperor Kanishka patronized the Mahayana sect of Buddhism.

Which of the statements given above are correct?

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

8. With reference to the cultural history of medieval India, "Kulhadar Group" refers to:

- (a) goldsmiths  
(b) sufi saints  
(c) miniature paintings  
(d) royal calligraphists

9. Pilupati and Asvapati during Gupta Empire were:

- (a) Army officers  
(b) Village headmen

(c) Revenue collectors

(d) District Governors

10. In the context of medieval India, the 'batai' and 'nasaq' were

(a) two different breeds of horses reserved for the nobility.

**(b) land revenue systems during Akbar's reign.**

(c) sharecroppers who used the land of and paid rents to rich farmers of neighboring villages.

(d) two calligraphic styles promoted by Jahangir.

### GENERAL SCIENCE

11. Copper is used to layer the boats made of wood because of which of the following reasons?

a) Copper is a metal which is water repellent and allows the boat to stay afloat above water.

b) It is cheap and hence preferred to be used to protect the boat from impact of water.

**c) Copper has anti-bacterial properties that prevent the decay of wood from sea organisms.**

d) Copper increases the mechanical strength of ship unlike any other metal does.

12. Silver articles become black after some time when exposed to air due to the presence of which of the following?

**a) Sulfur**

b) Carbon dioxide

c) Nitrogen

d) Black carbon

13. With reference to enzyme-linked immunosorbent assay (ELISA), consider the following statements:

1. Performing an ELISA involves at least one antibody with specificity for a particular antigen.

2. It can be used to detect Covid antibodies that the body develops in response to infection by the SARS-CoV-2 virus.

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

14. With reference to bakelite, which of the following statements are correct?

1. It is a form of thermosetting plastic.

2. It is a good conductor of heat.

3. It is used for making electrical switches. Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 2 and 3 only

**(c) 1 and 3 only**

(d) 1, 2 and 3

15. Which of the following is correct about time zone of a lunar mission?

**1. Lunar mission runs on time zone of the**

**country operating the spacecraft.**

2. Lunar mission runs on time zone of the International Space Station.

3. American time zone is widely accepted by all the countries for lunar missions.

4. Moon's own time zone is used for lunar missions, which was established for Apollo11 mission.

16. Which one of the following best describes Antibiotics?

1. are the drugs that can kill biological organisms in the body while causing no harm to the body.

2. Antibiotics can cure any disease.

Which of the following statements given above is/are correct?

**1. 1 only**

2. 2 only

3. Both 1 and 2

4. Neither 1 nor 2

17. Which of the following can be a potential use of Gene Editing Technology?

1. Designer babies

2. Disease resistant crops

3. De-extinction of Species

Select the correct answer using the code given below:

1. 1 and 2 only

2. 2 and 3 only

3. 1 only

**4. 1, 2 and 3**

18. The word 'Scrub typhus' is sometimes mentioned in the news.

Which of the following correctly defines it?

**1. It is a life-threatening bacterial infection.**

2. It is a cough syrup cause children's death in Ghana.

3. It is a viral zoonotic disease host in a wild pig.

4. None of the Above

19. Which of the following is correct about Megha-Tropiques-1 Satellite:

1. It is an Indo-Canada Earth Observation Satellite.

2. It was launched for carrying out tropical weather and climate studies.

3. It was recently in news as the ISRO has successfully carried out the controlled Re-Entry experiment for the decommissioned Megha-Tropiques-1 (MT-1) Satellite.

Select the correct answer using the code given below:

1. 1 and 2 only

**2. 2 and 3 only**

3. 1 only

4. 1, 2 and 3

20. Consider the following statements:

1. There are four types of seasonal influenza viruses, types A, B, C and D.
2. Influenza A and B viruses circulate and cause seasonal epidemics of disease.

Which of the statements given above is/are correct?

1. 1 only
2. 2 only

**3. Both 1 and 2**

4. Neither 1 nor 2

### CURRENT AFFAIRS

21. Consider the following statements:

1. Indian Road Congress (IRC) is the Apex Body of Highway Engineers in India.
2. IRC was set up on the recommendations of the Jayakar Committee.
3. The world's first bamboo crash barrier has been installed in Maharashtra.

Which of the statements given above is/are correct?

1. 1 and 2 only
2. 1 and 3 only
3. 2 and 3 only

**4. 1, 2 and 3**

22. Which of the following best describes the Raman Effect?

**1. The scattering of light by a medium, resulting in a shift in the frequency of the scattered light.**

2. The absorption of light by a medium, resulting in a shift in the frequency of the absorbed light.
3. The reflection of light by a medium, resulting in a shift in the frequency of the reflected light.
4. The diffraction of light by a medium, resulting in a shift in the frequency of the diffracted light.

23. Consider the following statements about Forest Certification:

1. It is a mechanism for forest monitoring, tracing and labelling timber, wood and pulp products and non-timber forest products.
2. In India, forests in only Uttar Pradesh are certified.

Which of the above statements is/are correct?

1. 1 only
2. 2 only

**3. Both 1 & 2**

4. Neither 1 nor 2

24. With reference to the IMF Bailouts, consider the following statements:

1. Countries seek help from the IMF usually when their economies face a major macroeconomic risk or political instability.
2. The IMF lends money to the troubled economies often in the form of Bonds.

Which of the statements given above is/are

correct?

1. 1 only
2. 2 only

**3. Both 1 and 2**

**4. Neither 1 nor 2**

25. With reference to the initiatives related to the shipping sector in India, consider the following statements:

1. The target of the Green Tug Transition Programme is to have the initial Green Tugs working in all major ports by 2025.

2. The target of the Gati Shakti aims to reduce carbon emissions per ton of cargo handled by 30% by 2030.

3. The Green Voyage 2050 Project is between the Government of Norway and International Maritime Organisation (IMO).

Which of the statements given above is/are correct?

1. 1 and 2 only
2. 2 and 3 only
3. 1 and 3 only

**4. 1, 2 and 3**