

1. Consider the following statements regarding the Buddha and his teachings

1. The Buddha taught his disciples orally – through discussion and debate
2. None of the Buddha's speeches were written down during his lifetime
3. After Buddha's death his teachings were compiled by his disciples at a council of "elders" or senior monks at Vesali and these compilations were known as Tipitaka

Which of the statements given above is/are correct?

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

2. Consider the following statements regarding Jaina Philosophy

1. The most important idea in Jainism is that the entire world is inanimated
2. According to Jaina teachings, the cycle of birth and rebirth is shaped through karma
3. Jainism believes that asceticism and penance are required to free oneself from the cycle of karma

Which of the statements given above is/are correct?

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

3. Consider the following statements:

1. Hagiography is a biography of a saint or religious leader
2. Epigraphy is the study of inscriptions.
3. An agrahara was land granted to a Brahmana, who was usually exempted from paying land revenue and other dues to the king, and was often given the right to collect these dues from the local people.
4. Numismatics is the study of coins, including visual elements such as scripts and images, metallurgical analysis and the contexts in which they have been found.

Which of the statements given above is/are correct?

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

4. Consider the following statements regarding the Buddhist Tipitakas

1. The Vinaya Pitaka included rules and regulations for those who joined the sangha or monastic order
2. The Buddha's teachings were included in the Sutta Pitaka
3. The Abhidhamma Pitaka dealt with philosophical matters

Which of the statements given above is/are correct?

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

5. Consider the following statements:

1. Guru Nanak preached his ideas much in the same way as Kabir and other monotheists.
2. Guru Nanak's teachings makes him an integral part of the monotheistic movement.

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 |

6. Sufism as a thought originated in Persia and spread to India by 11th century. Which of the following statements are correct about Sufism?

1. They believed service to humanity equals service to God.
2. They introduced a new form of singing called 'Qawwali' where rhythm is given with claps of hand.
3. They preached meditation to connect to inner soul and God.
4. They observed strict celibacy.

Select the correct answer using the code given below:

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

7. Which of the following statements are correct about 'Pancha Siddhanta'?

1. It was written by Aryabhata.
2. It is a detailed account of Greek and Roman Astrology.

Select the correct answer using the code given below:

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

8. Consider the following statements—

1. This dance form has been introduced by Mahapurusha Sankaradeva.
2. The musical compositions accompanying the dance form are called borgeets.
3. The costumes used are made up of pat.

Identify the dance-form from the following options:

- a) Mohiniyattam
b) Thang Ta
c) Sattriya
d) Kuchipudi

9. Consider the following statements regarding 'Mudrarakshasa':

1. It is a historical play written by Kalidasa that narrates the ascent of king Chandragupta Maurya to power in India.
2. Mudrarakshasa is written in Sanskrit.

Which of the above statements are NOT CORRECT?

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

10. Which of the following statements are correct about the Ajivikas?

1. Ajivika was one of the 'Nastika' school of Indian philosophy.
2. It was founded by Makkhali Gosala.
3. Ajivikas do not believe in Karma philosophy and believe that whatever happens is preordained by the cosmic order.
4. Bindusara was a follower of Ajivika Sect.

Select the correct answer using the code given below:

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

11. Consider the following statements:

1. When the light is reflected from a surface, the angle of incidence is generally equal to the angle of reflection.
2. Laws of reflection are applicable to all types of reflecting surfaces except spherical surfaces.

Which of the statements given above is/are NOT CORRECT?

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

12. Consider the following statements regarding formation of image by a plane mirror:

1. Image formed by a plane mirror is always virtual and erect.
2. The image formed is as far behind the mirror as the object is in front of it.

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

13. Consider the following statements:

1. Conventionally, in an electric circuit the direction of electric current is taken as the same direction of the flow of electrons.
2. Electric current is expressed by the amount of charge flowing through a particular area in unit time.

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. Consider the following statements:

1. The electrons are able to travel through a perfect solid crystal smoothly.
2. The motion of electrons in a conductor is very different from that of charges in empty space.

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

15. Consider the following statements:

1. Magnetic field is a quantity that has direction but not magnitude.

2. The relative strength of the magnetic field is shown by the degree of closeness of the field lines.

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

16. Which of the following statements about Dr. Har Gobind Khorana is/are correct?

- 1. He was the first Indian-born Nobel Prize winner in Medicine
- 2. The award was given for discovering that the order of nucleotides in DNA determines which amino acids are built.
- 3. He is credited with making the first synthetic genes by cutting and pasting different bits of DNA together.

Select the correct answer using the code given below:

- a) 1 and 2
- b) 2 and 3**
- c) 1 and 3
- d) All the above

17. Millimeter waves are broadcast at frequencies between:

- a) 10 to 100 gigahertz
- b) 20 to 200 gigahertz
- c) 30 to 300 gigahertz**
- d) 40 to 400 gigahertz

18. Consider the following statements regarding microwave ovens:

- 1. Instead of generating heat that warms the food from outside, the microwaves penetrate food and create the heat within.
- 2. Microwaves are electromagnetic waves that are created by a component called 'Megatron' in the oven.
- 3. Microwaves are known to destroy the nutrients in the food.

Which of the above statements is/are correct?

- a) 1 and 2**
- b) 2 and 3
- c) 1 and 3
- d) All of the above

19. C.V. Raman, was the first Indian Scientist to receive a Nobel Price. He published his theory on the Raman Effect in 1928. Raman Effect is associated with which of the following?

- a) Scattering of light**
- b) Total internal reflection
- c) Atomic structure
- d) Semi-conductors

20. Consider the following statements with respect to Dispersion of light:

- 1. The sequence VIBGYOR is in the order of increasing frequency.
- 2. The red light used in the traffic light is visible even in dense fog, because it has lowest frequency in the VIBGYOR colour spectrum.

Which of the above statements is/are correct?

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

21. With reference to Singapore Convention on Mediation, consider the following statements:

- 1. It will provide a more effective way of enforcing mediated settlements of corporate disputes.
- 2. It is an United Nations convention.
- 3. India is yet to sign the convention.

Which of the statements given above is/are correct?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All the above

22. With reference to Parliament Sessions, consider the following statements:

- 1. The Parliament is required to meet at least twice a year.
 - 2. Recess is the period between the prorogation of a House and its reassembly in a new session.
- 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. With reference to the Indian Brain Templates, consider the following statements:

- 1. It is a representation of various brain images to understand its functionality.
 - 2. It is developed by the National Institute of Mental Health and Neuro Sciences.
- Which of the above statements is/are correct?

A.1 only

B.2 only

C.Both 1 and 2

D.Neither 1 and 2

24. With reference to the Hindi language, consider the following statements:

- 1. Hindi is the only official language under Article 343 of the Indian Constitution.
- 2. It is also an eighth schedule language.

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

25. Which of the following are included in the Central Armed Police Forces?

- 1. The National Security Guard
- 2. Assam Rifles
- 3. Border Security Force
- 4. Sashastra Seema Bal

Select the correct answer using the code given below:

A.1, 2 and 4 only

B.1, 2 and 3 only

C.3 and 4 only

D.1, 2, 3 and 4