

1. Consider the following statements regarding Boreal Forests.

1. They have evergreen plant species such as Spruce, fir and pine trees.
2. Boreal forest soils are characterized by thick podzols.
3. The productivity and community stability of a boreal forest are lower than other forest ecosystem.

Which of the above statements is/are correct?

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) 1, 2, 3

2. Consider the following statements regarding Red Tide.

1. Red Tide is a phenomenon where certain phytoplankton species contain pigments and bloom such that the human eye perceives the water to be discolored.
2. They are scientifically referred as Harmless Algal Blooms (HABs).

Which of the above statements is/are correct?

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

3. Consider the following statements regarding Animal Welfare Board of India.

1. Animal Welfare Board of India is a statutory advisory body established under the Wild Life(Protection) Act, 1972.
2. It was started under the stewardship of Smt. Rukmini Devi Arundale.
3. It provide grants to Animal Welfare Organizations and advises the Government of India on animal welfare issues.

Which of the above statements is/are correct?

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

4. Recently Supreme court had upheld the Tamil Nadu government's authority to notify an 'elephant corridor' and protect the migratory path of the elephants. Why do we have to protect elephant corridors?

1. The movement of elephants is essential to ensure that their populations are genetically viable.
2. It helps to regenerate forests on which other species like Tigers depend.

Select the correct answer code:

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

5. Consider the following statements regarding Pusa Decomposer.

1. It is a fungi-based liquid solution that can soften hard stubble to the extent that it can be easily mixed with soil in the field to act as compost.
2. It helps in retaining the essential microbes and nutrients in soil.
3. The decomposer can decompose the stubble within 1 to 2 days.

Which of the above statements is/are correct?

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) 1, 2, 3
- d) Neither 1 nor 2

6. Most of the desert plants bloom during night time because

- a) the desert insects eat away flower during day time.
- b) their blooming is controlled by low temperature.
- c) the desert insects are active during night time.
- d) they are sensitive to the phase of moon.

7. Consider the following statements regarding Great Indian Bustards (GIB).

1. Great Indian Bustard is often found associated in the same habitat as blackbuck.
2. It is Listed in Schedule I of the Indian Wildlife (Protection) Act, 1972.

3. It is Identified as one of the species for the recovery programme under the Integrated Development of Wildlife Habitats of the Ministry of Environment and Forests.

Which of the above statements is/are correct?

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) 1, 2, 3

8. Consider the following statements regarding bioremediation techniques.

1. Biosparging: Injection of air under pressure below the water table to increase ground water oxygen concentrations and to enhance the rate of biological degradation of contaminants
2. Bioventing: Introduction of a group of natural microbial strains to treat contaminated soil or water.
3. Bioaugmentation: Stimulating the biodegradation of any aerobically degradable compounds by providing oxygen to the existing soil microorganisms.

Which of the above statements is/are correct?

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

9. Consider the following statements regarding maintaining the internal environment by an organism.

1. Regulate: Higher plants reduce their metabolic activity and go into a state of 'dormancy'.
2. Conform: An overwhelming majority (99 per cent) of animals and nearly all plants cannot maintain a constant internal environment and their body temperature changes with the ambient temperature.
3. Suspend: Some organisms are able to maintain homeostasis by physiological and behavioural means.

Which of the above statements is/are correct?

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

10. Cetacean stranding, commonly known as beaching, is a phenomenon in which whales and dolphins strand themselves on beaches. Which of the following could be the possible reason behind this?

1. Changes in water temperature.
2. Irregularities in whales' echolocation.
3. Geomagnetic disturbances.
4. Hunting too close to shore.

Select the correct answer code:

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

11. Consider the following statements regarding the philosophy of the Vaishnavite saint-reformer Srimanta Sankaradeva.

1. Sankaradeva espoused a society based on equality and fraternity and free from caste differences.
2. His teaching focused on prayer, chanting and idol worship.

Which of the above statements is/are correct?

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

12. Consider the following statements regarding Attukal Pongala Festival.

1. Attukal Pongala is a religious festival mainly celebrated in Telangana.
2. The festival is one of the largest religious congregations of women.

Which of the above statements is/are correct?

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

13. According to experts, which of the following statements regarding Kalibangan is/are correct?

1. Kalibangan in Rajasthan has given the evidence of the earliest ploughed agricultural field ever revealed through an excavation.

2. It is also a site which has given an evidence of earliest archaeologically recorded Earthquake.

Select the correct answer code:

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

14. Aihole inscription, is known as the Cradle of Indian architecture, was issued under the reign of

- a) Chalukyas
- b) Rashtrakutas
- c) Marathas
- d) Pallavas

15. Consider the following statements regarding inscriptions.

1. Ashoka was the first ruler who inscribed his messages to his subjects and officials on stone surfaces.

2. Ashoka used the inscriptions to proclaim what he understood to be Dhamma.

Which of the above statements is/are incorrect?

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

16. The best-known leather puppets in our country are those used in the Tholu Bomalatta of

- a) Andhra Pradesh
- b) Tamil Nadu
- c) Kerala
- d) Karnataka

17. Consider the following statements regarding Bhaona.

1. It is a traditional form of entertainment prevalent in the state of Tamil Nadu.
2. It was originally created by Shankaracharya.
3. The plays of Bhaona are popularly known as Ankiya Nats.

Which of the above statements is/are correct?

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

18. Which of these ragas is usually performed late in the morning?

- a) Raga Darbari
- b) Todi
- c) Raga Bhopali
- d) Bhimpalasi

19. Gitam, Suladi, Jatisvaram and Varnam are related to

- a) Carnatic form of music
- b) Sattriya dance form
- c) Hindustani Classical Music
- d) Categories of social divisions based on pre-Vedic Varna system

20. Consider the following statements regarding Amir Khusrau?

1. He introduced new musical ragas – ghora and sanam
2. He created a new style of Persian poetry called Sabaq-i-Hindi.
3. He authored the work Tuglaq Nama.

Which of the above statements is/are correct?

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

d) 1, 2, 3

21. The Supreme Commander of the Indian Armed Forces is

- a) Defence minister of India
- b) Home Minister of India
- c) President of India
- d) Prime Minister of India

22. Consider the following statements regarding Index of Industrial Production (IIP).

1. IIP details out the growth of various sectors in an economy such as mining, manufacturing and electricity and manufacturing accounts for maximum weight of the IIP.
2. The Eight Core Industries comprise nearly two-third of the weight of items included in the IIP.
3. The IIP index is computed and published by the National Statistics Office (NSO) on a monthly basis.

Which of the above statements is/are correct?

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

23. Consider the following statements regarding DNA and RNA.

1. A nucleic acid containing deoxyribose is called DNA while that containing ribose is called RNA.
2. Both DNA and RNA contain Adenine, Guanine, Thymine and Cytosine.
3. The structure of DNA is a double strand [helix] whereas RNA is a single strand molecule.

Which of the above statements is/are correct?

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) 1, 2, 3

24. koalas that were recently classified as 'endangered' is native to

- a) India
- b) China

c) Australia

d) United States

25. Which of the following African countries share border with Indian Ocean?

1. Tanzania 2. Somalia

3. Botswana 4. Mozambique

Select the correct answer code:

a) 1, 2, 3

b) 2, 4

c) 1, 2, 4

d) 1, 2, 3, 4

ANSWER SHEET

1	B	10	C	19	A
2	A	11	A	20	D
3	C	12	B	21	C
4	C	13	C	22	C
5	A	14	A	23	B
6	C	15	D	24	C
7	D	16	A	25	C
8	A	17	A		
9	B	18	B		