

1- The increasing amount of carbon dioxide in the air is slowly raising the temperature of the atmosphere, because it absorbs

- (a) the water vapour of the air and retains its heat
- (b) the ultraviolet part of the solar radiation
- (c) all the solar radiations
- (d) the infrared part of the solar radiation

2- Which of the following about Ecological Niche is/are correct?

- 1. No two species in a habitat can have same niche.
- 2. A niche is unique for a species.

Select the correct answer using the codes given below:

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

3- Which of the following adds/add carbon dioxide to the carbon cycle on the planet Earth?

- 1. Volcanic action 2. Respiration
- 3. Photosynthesis 4. Decay of organic matter

Select the correct answer using the code given below.

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

4- Consider the following statements:

- 1. Shola Grasslands are patches of stunted sub-tropical montane forest.
- 2. Shola Grasslands are found in higher montane regions of South India.

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

5- In the context of ecosystem productivity, marine upwelling zones are important as they increase the marine productivity by bringing the

1. Decomposer micro-organisms to the surface.
2. Nutrients to the surface.
3. Bottom-dwelling organisms to the surface.

Which of the statements given above is/are correct?

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

6- Which of the following are incorrect?

1. Mangroves are salt tolerant forest ecosystems found mainly in the tropical and subtropical regions of the world.
2. Mangrove plants can survive high salinity, tidal extremes, strong wind velocity, high temperature and Muddy aerobic soil.

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

7- Which of the following statements is/are correct ?

Proper design and effective implementation of UN REDD+ programme can significantly contribute

1. protection of biodiversity
2. resilience of forest ecosystem
3. property reduction

Select the correct Answer using the code given below

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

8- Consider the following statements:

1. Pink pages in IUCN Red List include the critically endangered species.

2. Green pages in IUCN Red List include protected and conserved areas.

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

9- According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels?

- 1-Cassava 2-Damaged wheat grains
3-Groundnut seeds 4-Horse gram
5-Rotten potatoes 6-Sugar beet

Select the correct answer using the code given below:

- (a) 1, 2, 5 and 6 only
(b) 1, 3, 4 and 6 only
(c) 2, 3, 4 and 5 only
(d) 1, 2, 3, 4, 5 and 6

10- The 2004 Tsunami made people realize that mangroves can serve as a reliable safety hedge against coastal calamities. How do mangroves function as a safety hedge?

- (a) The mangrove swamps separate the human settlements from the sea by a wide zone in which people neither live nor venture out
(b) The mangroves provide both food and medicines which people are in need of after any natural disaster
(c) The mangrove trees are tall with dense canopies and serve as an excellent shelter during a cyclone or tsunami
(d) The mangrove trees do not get uprooted by storms and tides because of their extensive roots.

11- This ruler convened a Buddhist Council at Kashmir which eventually led to the recognition of the Mahayana sect of Buddhism. He is?

- a) Yavana
b) Kumaragupta
c) Kanishka
d) Ashoka

12- This mudra is called "The Gesture of Debate". The tips of thumb and index finger touch forming a circle, and all the other fingers are extended upwards. This is

- a) Shramana mudra
- b) Abhaya mudra
- c) Varada mudra
- d) Vitarka mudra

13- Consider the following statements regarding Old Stone Age sites.

1. The Old Stone age sites were generally located away from water sources to avoid flooding.
2. Most of these Old stone age sites are concentrated in Southern India with the exception of Adamgarh hill and Bhimbetka.

Which of the above statements is/are correct?

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

14- The Kailasa Temple located in Ellora is well known for its

- a) Peculiar construction style of garbhagrihas
- b) Use of sandstone and limestone
- c) Monolithic vertical excavation
- d) Highly erected shikharas and entry gates

15- The core tenets of Mimamsa philosophy are

1. Ritualism
2. Asceticism
3. Belief in God

Select the correct answer code:

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

d) 1, 2, 3

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?

He introduced new musical ragas – ghora and sanam

1. He created a new style of Persian poetry called Sabaq-i-Hindi.
2. 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. Consider the following statements regarding Earth Station of Doordarshan Kendra inaugurated in Gorakhpur.

1. Union Minister of Information and Broadcasting Anurag Singh Thakur and Uttar Pradesh Chief Minister Yogi Adityanath inaugurated Earth Station of Doordarshan Kendra at Gorakhpur
2. Three FM stations of All India Radio were inaugurated are at Etawah, Lakhimpur Kheri and Bahraich districts.

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

22. Consider the following statements regarding nuclear reactors projects in India

1. India will have nine nuclear reactors by 2024
2. By 2024, India will have nine nuclear reactors plus 12 new additional ones which were approved during the Covid times with a capacity of 7000 MW.

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

23. Consider the following statements regarding National Asset Reconstruction Company

1. Pradip Shah, the founder of IndAsia Fund Advisors, has been appointed chairman of the National Asset Reconstruction Company (NARCL).
2. Sanjay Jain will be the chief executive of India Debt Resolution Company (IDRCL), the privately-owned asset management company (AMC) mandated to resolve bad loans acquired by NARCL.

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

24. Consider the following statements regarding Mahila Mitra Plus

1. Private sector lender, Federal Bank has launched a feature-rich savings bank product for women. The savings scheme is called Mahila Mitra Plus.
2. The special features include exclusive preferential interest rates on housing loans, processing fee waiver for home loans, complimentary and customised insurance cover.

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

25. Consider the following statements regarding recent approvals by Asian Development Bank (ADB) to India

1. ADB approves \$500-million loan to improve quality of school education
2. About 100 government schools will be transformed into exemplar schools in Assam, Gujarat, Jharkhand, Tamil Nadu, and Uttarakhand.

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

ANSWER SHEET

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

