

1. Consider the following statements with reference to Thermal Pollution:
  1. Thermal pollution combined with excess nutrients from the washout water from farmlands can cause excessive algal growth.
  2. It may cause coral bleaching.
  3. It can promote the migration of species to new areas.

Which of the statements given above is/are correct?

- a) 1 and 3 only
  - b) 2 only
  - c) 1 and 2 only
  - d) 1, 2 and 3**
2. Which of the following is the most appropriate description of Species?
    - a) The assemblage of the population of plants, animals, bacteria and fungi that live in an area and interact with each other.
    - b) A community of animals and plants inhabiting a particular area.
    - c) Similar organisms having the potential for interbreeding and producing fertile offspring.**
    - d) Group of organisms co-dependent on each other for survival.
  3. Consider the following statements regarding biodiversity hotspot:
    1. A biodiversity hotspot is a biogeographic region that is both threatened with destruction and is a significant reservoir of biodiversity.
    2. The German biologist Ernst Haeckel coined the term "biodiversity hotspot".

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
4. Consider the following statements regarding ecological niche:
    1. It represents the range of conditions an organism can tolerate in the ecological system.
    2. It represents the resources an organism utilizes in the ecological system.
    3. It represents the functional role of an organism in the ecological system.
    4. No two species are believed to have the exactly same niche.

Which of the statement/s given above is/are correct?

- a) 3 only
  - b) 1, 2 and 4 only
  - c) 3 and 4 only
  - d) 1, 2, 3 and 4**
5. Consider the following Green House Gases (GHG):
    1. Methane
    2. Carbon dioxide
    3. Nitrous Oxide
    4. Sulphur hexafluoride

Which of the sequence given below is correct with reference to the increasing global warming potential (in a time horizon of 20 years)?

- a) 1-2-3-4
  - b) 2-1-3-4**
  - c) 4-3-2-1
  - d) 3-1-2-4
6. Consider the following techniques of bioremediation:
    1. Bio venting
    2. Bio sparging
    3. Composting
    4. Bio piles
    5. Bioaugmentation

Which of the techniques given above are in-situ?

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

7. In the context of 'Extended Producer Responsibility', consider the following statements:
1. It is a policy approach in which producers take responsibility for managing products' disposal after they are considered no longer beneficial by the consumers.
  2. It shifts the economic burden of the cost of disposal from the government to the product's producer.

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

8. With reference to National Board for Wildlife, consider the following statements:

1. It has been constituted under the Wildlife Protection Act, 1972.
2. It is headed by the Minister of Environment, Forest and Climate Change.
3. Its recommendations are binding on the Union Government.

Which of the statements given above is/are correct?

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

9. World Conservation Strategy, adopted in 1980, aimed at:

1. Maintenance of essential ecological processes.
2. Protection of genetic diversity.
3. Sustainable use of species and ecosystem.

Which of the statements given above are correct?

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

10. Which of the following is/are the possible consequences of soil erosion?

1. It may increase the amount of pollutants at a particular place.
2. It disrupts the water cycle and the nitrogen cycle.
3. It destroys the habitat and biodiversity at a specific location

Select the correct answer using the code given below:

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

11. The Battle of Khanua was fought between which of the following rulers?

- a) Babur and Ibrahim Lodi
- b) Ibrahim Lodi and Rana Sangha
- c) Rana Sanga and Babur**
- d) Babur and Rajputs

12. With reference to the cultural history of India, the memorizing of chronicles, dynastic histories and epic tales was the profession of who of the following?

- a) Shramana
- b) Parivraajaka
- c) Magadha**
- d) Agrahaarika

13. Which of the following areas led to a conflict between Vijayanagar and the Bahmani Empire?

1. Raichur doab
2. Marathwada region
3. The deltaic region of Krishna-Godavari

Select the correct option using the codes given below:

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

d) 1, 2 and 3

14. Which actions of Sufi saints are influenced by Hindu and Buddhism?

1. Monastic organisation
2. Penance
3. Fasting and holding the breath

Select the correct option using the codes given below:

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

d) 1, 2 and 3

15. Which of following have written their literary works mainly in Sanskrit?

1. Ramanuja
2. Hemachandra Suri
3. Nammalvar

Select the correct option using the codes given below:

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

16. Which of the following religious policy was not implemented by Aurangzeb?

- a) He had pulled down several temples including the Chintamani temple of Ahmedabad which he replaced with a mosque.
- b) Aurangzeb abolished jizya (a type of tax) levied on Hindus.
- c) Hindus were not allowed to occupy high administrative or executive posts.
- d) Muslim traders were totally exempted from the payment of all toll taxes

17. Consider the following statements regarding Trade and industry under Delhi sultanate

1. Currency system was strong and based on silver tanka and copper dirham.
2. Cambay in Gujarat was famous for raw silk and fine cotton cloth
3. The production of textiles was also improved by the introduction of the spinning-wheel.

Which of the above statements is/are correct?

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

18. With respect to the significance of Babur's advent into India, consider the following statements:

1. Babur not only tried hard to maintain Mughal influence on Badakhshan beyond the Hindukush Mountains, but even upto river Oxus.
2. The inclusion of Kabul and Qandahar in the empire created a favourable opportunity for the increase of India's share in the great trans-Asian trade.
3. The use of cannon and muskets in India was first used by Babur in the battle of Panipat.

Which of the above statement/s is/are correct?

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

19. Nuclear science is being utilized in which of the following areas of agriculture in India?

1. Radiation processing of food items
2. Development of high yielding crop seeds
3. Fertilizer and pesticide related studies

Select the correct answer code:

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

- c) 2, 3  
d) **1, 2, 3**
20. Podu is a form of shifting cultivation practiced mainly in  
a) Odisha  
b) Jharkhand  
c) **Telangana**  
d) West Bengal
21. Consider the following statements.  
1. At present, the cultivation and processing of poppy and opium in India is controlled by the provisions of The Narcotic Drugs and Psychotropic Substances (NDPS) Act and Rules.  
2. Due to the potential for illicit trade and risk of addiction, In India the cultivation and processing of opium is done only by the Public Sector.  
3. Opium is a natural substance obtained from poppy seeds that are potent painkillers and are mainly prescribed to cancer patients.  
Which of the above statements is/are correct?  
a) 1, 2  
b) **1, 3**  
c) 2, 3  
d) 1, 2, 3
22. Consider the following statements.  
1. Agriculture Orientation Index (AOI) is developed as part of the 2030 Agenda for Sustainable Development.  
2. Agriculture Orientation Index measures the ratio between government spending towards the agricultural sector and the sector's contribution to GDP.  
3. The Sustainable Development Goals (SDG) emphasises an increase in investment in rural infrastructure, agricultural research and extension services.  
Which of the above statements is/are correct?  
a) 1, 3  
b) 2, 3  
c) 1, 2  
d) **1, 2, 3**
23. The multiple rocket launcher produced in India and developed by the Defence Research and Development Organisation (DRDO) for the Indian Army is named as  
a) Pralay  
b) **Pinaka**  
c) Python  
d) Pratyush
24. Consider the following statements regarding India Innovation Index, 2022.  
1. India Innovation Index was released by Ministry of Statistics and Programme Implementation (MOSPI).  
2. It determines innovation capacities at the sub-national level.  
3. At present India is among the top 25 nations in the Global Innovation Index.  
Which of the above statements is/are correct?  
a) 1, 2  
b) **2 only**  
c) 2, 3  
d) 1, 3
25. Which of the following nations in the Middle-east is/are land locked?  
1. Iran  
2. Syria  
3. Iraq  
4. Turkey  
Select the correct answer code:  
a) 1, 2, 3  
b) 1, 3, 4  
c) 2, 3, 4  
d) **None of the above**