

ENV, CA, HIS

1. In what ways, the nano urea is advantageous over the conventional granular urea?
 1. Nano urea has thousands of times more surface area to volume size than the conventional granular urea.
 2. Apart from being cost-effective, nano urea liquid also promises to provide a sustainable solution for plant nutrition due to its controlled release.
 3. The only demerit of the nano urea is that it has not been tested regarding the toxicity and biosafety protocol.

Select the correct answer using the code given below:

- a) 1 and 3 only
 - b) 2 and 3 only
 - c) 1 and 2 only**
 - d) 1, 2 and 3
2. Consider the following statements regarding Snow Leopard.
 1. Snow leopard is listed as critically endangered under the IUCN Red List.
 2. In India, the snow leopard habitat is spread over the northern Himalayan mountains of Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Arunachal Pradesh and Sikkim.
 3. The Union Government had launched SECURE Himalaya project for the protection of Snow Leopard which is funded by world bank

Which of the above statements is/are correct?

- a) 1 and 2 only
 - b) 2 only**
 - c) 2 and 3 only
 - d) 1, 2, 3
3. With reference to Malaria, consider the following statements;
 1. It is caused by the bite of the female mosquito whenever it bites the human.
 2. 'Gene drive' technology can help in controlling Malaria.
 3. Mosquirix, the malaria vaccine, offers protection against all kinds of malarial parasites.

Which of the statements given above is/are correct?

- a) 1 and 3 only
 - b) 2 and 3 only
 - c) 2 only**
 - d) 1, 2 and 3
4. With reference to the GOBAR (Galvanizing Organic Bio-Agro Resources) – DHAN scheme, consider the following statements:
 1. Ministry of Jal Shakti has launched the GOBAR DHAN scheme.
 2. It aims to positively impact village cleanliness and generate wealth and energy from cattle and organic waste.
 3. Funds received under this scheme are subject to audit.

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**
5. Consider the following pairs:
Name of the personality — Literary work
 1. Gopalhari Deshmukh — Prabhakar
 2. Lokmanya Tilak — Sudhakar
 3. Jyotirao Phule — Gulamgiri
 4. Balshastri Jambhekar — Darpan

Which of the above pair(s) is/are correctly matched?

- a) 1 and 2 only
 - b) 1, 3 and 4 only**
 - c) 3 and 4 only
 - d) All of the above
6. Which of the following is not a geo-engineering technique to counter climate change by reducing atmospheric carbon at global scale?
 - a) Albedo enhancement
 - b) Rooftop solar-energy**
 - c) Ocean fertilization
 - d) Enhanced weathering
 7. Consider the following statements:

1. The establishment of UNFCCC marked the beginning of the international community's first concerted effort to confront the problem of climate change.
2. UNFCCC established a framework for action to stabilize concentrations of water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and ozone (O₃) in the Earth's atmosphere.
3. The Framework contains an enforcement mechanism over the nations who have ratified the convention.

Which of the statements given above is/are correct?

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

8. With reference to the development of Art and culture during the Delhi Sultanate, consider the following statements:

1. Ghora ragas was introduced by Amir Khusrau.
2. Qawal was introduced by Amir Khusrau.
3. The Sitar is invented by Amir Khusrau.

Which of the statements given above is/are correct?

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

9. With reference to Climate Action and Finance Mobilization Dialogue, consider the following statements:

1. It is a dialogue mechanism launched under the recently held COP-27.
2. It will help world align swift climate action with inclusive and resilient economic development.

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

10. In the medieval age, a council called "Ashtapradhan" featured in the administration of:

- a) Shivaji**
- b) Aurangzeb
- c) Sher Shah Suri
- d) Krishnadeva Ray

11. In the medieval Indian period, 'Khanqah' was:

- a) A religious order.
- b) A musical instrument similar to the Drum.
- c) The adobe of sufis.**
- d) A style of singing sufi poetry.

12. Consider the Ashokan Pillars at following locations:

1. Sanchi
2. Vaishali (Bakhra)
3. Lauriya Nandangarh

On which of the above pillars only a single Lion is being used as animal motif on the top?

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

13. Consider the following statements

1. Starlink are the group of low earth orbit satellites.
2. Starlink satellites are geomagnetic storm proof.

Choose the correct statement/s using the codes given below

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

14. "Khaiber buster" missile often seen in news is belongs to which country?

- a) Israel
- b) Iran**
- c) Iraq
- d) UAE

15. Venus flytrap, a carnivorous plant is native to which of the following continent?
- North America**
 - Africa
 - South America
 - Australia
16. Which of the following is not correct about Delhi Pact?
- It was signed between Gandhiji and Viceroy Irwin.
 - It placed the Congress on an equal footing with the Government.
 - Under it the Government agreed to grant the right to make salt in coastal villages for personal consumption.
 - It accepted Gandhiji's demand for public inquiry into police excesses.**
17. Consider the following events:
- Formation of the forward bloc
 - Britain's declaration of war on Germany in the Second World War.
 - August Offer
 - Day of Deliverance
- Which of the following is the correct chronological sequence of the above events (earliest first) :
- 4-1-3-2
 - 3-2-4-1
 - 2-3-4-1
 - 1-2-4-3**
18. "It is associated with protection of endangered species. It is also concerned about limiting the illicit trade in wildlife, in their body parts and products derived by killing them. It has framed International laws which are applicable worldwide. It was drawn by UN in 1973 and came into force in 1975."
- The above passage best describes which of the following?
- World Wildlife Fund for Nature
 - Ramsar Convention
 - IUCN
 - CITES**
19. If two species compete for the same resource, they could avoid competition by choosing different times for feeding or different foraging patterns. This is called:
- Conform
 - Resource Partitioning**
 - Suspend
 - None of the above
20. Arrange the following components of temple architecture in the correct sequence while entering a Nagara Style temple.
- Garbhagriha
 - Mandapa
 - Antarala
- Select the correct answer using the code given below.
- 1-2-3
 - 2-3-1**
 - 1-3-2
 - 3-2-1
21. Consider the following reports
- Global Competitiveness Report
 - Global Gender Gap Report
 - Global Risk Report
 - Global Travel and Tourism Report
- Which of the above report/s is/are published by world Economic Forum?
- 1 and 2 only
 - 2 and 3 only
 - 3 and 4 only
 - All of the above**
22. In the context of international affairs of British India, which one of the following is correct about Lord Auckland's Forward Policy?
- He wanted England and Russia to become friends against China.
 - He wanted to create Afghanistan a British friendly buffer State to counter Russian expansionism in the Central Asia.**

- (c) He advocated for non-interference in the internal matters of Burma, Nepal and Bhutan.
(d) He followed a combative approach for Tibet to counter Russia's rising influence in the region.
23. Which of the following rulers did **not** support the 1857 revolt?
1. Holkars of Indore
 2. Maharaja of Kashmir
 3. Rulers of Patiala
- Select the correct answer using the code given below.
- (a) **1, 2 and 3**
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1 and 3 only
24. Chimeric Antigen Receptor (CAR)-T Cell T therapy, recently seen in news, is a therapy aimed primarily towards:
- a) **Cancer**
b) Hereditary disorders due to extra or less chromosome
c) Viral diseases like coronavirus
d) HIV- AIDS
25. E20 fuel' related to which of the following?
- a) High octane fuel made primarily from algal sources
 - b) Fossil fuel created from carbon sequestration
 - c) A new type of renewable fuel developed in Europe
 - d) **Ethanol-blended fuel**



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