

1. Consider the following statements
 1. Western Ghats are lower in elevation compared to the Eastern Ghats
 2. Most of the peninsular rivers have their origin in the Eastern GhatsWhich 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
2. Gypsum is added to the Soil
 - a) To decrease the acidity
 - b) To increase the alkalinity
 - c) To decrease the alkalinity**
 - d) As an insecticide
3. Which of the following statement Is true regarding drainage pattern:
 - a) Radial drainage pattern is formed when a river originates from a Hill and flows in all directions**
 - b) Dendritic drainage pattern is formed when the rivers discharge their waters from all directions in a lake or depression
 - c) Centripetal drainage pattern is formed when primary tributaries flow parallel to each other and secondary tributaries join them at right angles
 - d) Trellis drainage pattern is formed when the drainage pattern resembles branches of a tree
4. In which of the following cities one can never see the Sun shine overhead at noon?
 - a) Hyderabad
 - b) Mumbai
 - c) Chennai
 - d) Delhi**
5. Which of the following pairs is/are correctly matched:

River	::	Origin	
1. The Brahmaputra	::	Chemayungdung glacier	
2. The Ganga	::	Gangotri Glacier	
3. The Ghaghara	::	Mapchachungo glacier	
4. The Sarda	::	Milan glacier	

Select the correct answer using the code given below
 - a) 1 and 2 only
 - b) 1 and 3 only
 - c) 1 only
 - d) 1, 2 and 3 and 4**
6. Consider the following statements:
 1. The world-famous valley of Kashmir lies between the Karakoram Range and Ladakh Range.
 2. The Kashmir Himalayas are also famous for Karewa formations.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
7. Which of the following best defines Duars?
 - a) The land drained by the brackish water.
 - b) The landscape all along the foothills of Shiwaliks.
 - c) The tract of land lying between two converging, or confluent, rivers.
 - d) The alluvial floodplains in north-eastern India that lies south of the outer foothills of the Himalayas and north of the Brahmaputra River basin.**
8. Consider the following statements:
 1. The region is swampy and marshy.

2. The underground streams re-emerge in this region.
3. The forests in this region have been cleared and intensive agriculture is being practiced.
4. The region is conducive for the breeding of mosquitoes and flies.

The above statements are true for which of the following regions?

- a) Bhabar
 - b) Bhangar
 - c) Tarai**
 - d) Khadar
9. Which of the following statements regarding Meghalaya plateau are NOT CORRECT?
1. It is an extension of Himalayan range in North Eastern India.
 2. It is separated from peninsular plateau by Garo – Rajmahal gap.
 3. It is filled with fertile alluvial soil deposited by Brahmaputra.

Choose the correct answer using the code given below:

- a) 1 and 2 only
 - b) 1 and 3 only**
 - c) 3 only
 - d) 1, 2 and 3
10. Consider the following:
1. Himalayas
 2. Peninsular Plateau
 3. North Indian Plains

Arrange the following in chronological order of their formations.

- a) 1-3-2
 - b) 2-3-1
 - c) 2-1-3**
 - d) 3-2-1
11. Consider the following statements regarding recent ban on various apps by Government of India:
1. Ministry of Science and Technology has invoked its power under section 69A of the Information Technology Act to ban these apps.
 2. The Indian Cyber Crime Coordination Centre is under the Ministry of Information Technology.

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 Global Partnership on Artificial Intelligence (GPAI):
1. India is one of the founding members of GPAI.
 2. The GPAI will bring together experts from industry, government, civil society and academia to conduct research and pilot projects on AI.

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 about Responsible AI for Youth Programme:
1. The program is designed by Microsoft and Intel India.
 2. The Program will be open to students from all the Schools of 8th to 12th class across the country.

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. Massive Machine Type Communications (mMTC) technology supports ultra-high-speed connection indoors and outdoors, with uniform quality of service, even at the cell edge.
2. Ultra-reliable and Low Latency Communications (uRLLC) technology supports a very large number of connected devices usually called Internet of Things (IoT).

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

15. Consider the following statements:

1. Centre of Excellence (CoE) in Blockchain Technology has been setup by National Informatics Centre (NIC).
2. Center of Excellence in Artificial Intelligence has been setup by National Informatics Centre (NIC).

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 is/are correct regarding 'Cryptojacking'?

- a) It refers to the use of encrypted code to hijack a Crypto network.
- b) It refers to use of malware to hack the official sites and data of Banks.
- c) It is the secret use of a computer device to mine cryptocurrency.**
- d) It is a software which decrypts an encrypted data.

17. Deep Learning is an aspect of Artificial Intelligence (AI). Which of the following statements correctly describe Deep learning?

- a) It allows machine to emulate the learning process of human beings to gain certain type of knowledge.**
- b) It allows students to memorise the details quickly and permanently.
- c) It is a voice command system, where once a command is given will be automatically remembered by the machine till it is changed.
- d) It helps the user to gain knowledge by the way in which the machines learn through system feed.

18. Which of the following statements is/are correct with respect to Blockchain:

1. It is an interlinked list of records which is secured using cryptography.
2. The process becomes more transparent, as block chain eliminates the need for a middleman in transactions.
3. Blockchain manages three important roles; it records the transactions, establishes the identity and establishes the contracts.

Select the correct answer using the code given below:

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

19. Which of the following is/are the applications of Big data?

1. Better understanding and targeting customers by companies.
2. To prevent cyber-attacks, detect credit card fraud.
3. Used in healthcare to find new cures for cancer.
4. Security and law and order management.

Select the correct answer using the codes given below.

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

d) 1, 2, 3 and 4

20. Consider the following statements with respect to Dark Web:

1. Deep Web is the area of the Internet which is not accessible through search engines.
 2. The dark web forms a small part of the deep web.
 3. The dark web is the World Wide Web content that exists on darknets, overlay networks which use the public Internet but require specific software, configurations or authorization to access.
- Which of the statements given above is/are correct?

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

d) 1, 2 and 3

21. Which of the following statements is/are correct regarding the role of Dr. Ram Manohar Lohia in India's freedom struggle?

1. He was actively involved in the Congress Socialist Party (CSP) in 1934.
2. He was amongst the leaders who got arrested during the launch of the Quit India movement in 1942.

Choose the correct answer using code given below:

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

22. Which of the following statements is correct regarding the 'Namath Basai' initiative?

- a) **It is a programme for teaching tribal children in their mother tongue.**
- b) It provides access to safe and adequate water for the tribal communities.
- c) It is a capacity building of scheduled tribe representatives in local self governments.
- d) It aims to provide e-marketplace for handicraft and organic products for tribals.

23. With reference to recently released Human Cost of Disasters report, Consider the following statements:

1. The report is published by the United Nations Office for Disaster Risk Reduction.
2. The report also considers the biological hazards and disease-related disasters.

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

24. With reference to Sovereign Gold Bond (SGB) scheme, consider the following statements:

1. It was launched with an objective to increase the demand for physical gold and increase the domestic savings.
2. In this scheme, the Gold Bonds are issued by the Reserve Bank of India on behalf of the Union Government.

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. With reference to Nobel Prize in Economic Sciences 2020, consider the following statements:

1. It is awarded to Paul Milgrom and Robert Wilson.
2. It is awarded for development of auction theory.
3. It is also known as Sveriges Riksbank Prize in Economic Sciences.

Which of the statements given above is/are correct?

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