

1. Consider the following statements:
 1. National Air Quality Monitoring Programme (NAMP) is executed by Central Pollution Control Board.
 2. Under NAMP 8 pollutants viz. PM10, PM2.5, SO2, NOx, ammonia (NH3), CO, ozone (O3), and benzene. PM10 are monitored.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
2. Consider the following statements:
 1. Ambient air quality generally refers to the condition or quality of the outdoor air.
 2. National Ambient Air Quality Standards (NAAQs) are the standards for ambient air quality with reference to various identified pollutant notified by the CPCB under the the Environment (Protection) Act, 1986.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
3. Consider the following statements:
 1. E-waste burning generally releases Cadmium, dioxin, and furans.
 2. Dioxins and furans are highly carcinogenic and persist in the environment.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 National Clean Air Programme (NCAP):
 1. National level target of 20-30% reduction of PM2.5 and PM10 concentration by 2040.
 2. The Central Pollution Control Board (CPCB) shall, execute the nation-wide programme for the prevention, control, and abatement of air pollution within the framework of the NCAP.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. Consider the following statements:
 1. Graded Response Action Plan (GRAP) for Delhi and the NCR region, comprises the graded measures for each source framed according to the AQI categories.
 2. The responsibility of implementing GRAP lies with the Central Pollution Control Board (CPCB).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
6. Consider the following statements regarding thermal pollution:
 1. Thermal pollution comes only in the form of dumping warm waters into lake, river, or ocean.
 2. Volcanic eruption is one source of thermal pollution.
 3. Due to thermal pollution dissolved oxygen content in water increases.Which of the statements given above is/are correct?
 - a) 1 and 3 only
 - b) 2 only**
 - c) 3 Only
 - d) 1, 2 and 3
7. Which of the following statements is/are correct regarding 'Blue Flag' certification?
 1. It is given to cities which have taken stringent measures to curb air pollution.

2. It is a certification given by Foundation for Environmental Education (FEE).
Select the correct answer using the codes given below:
- 1 only
 - 2 only**
 - Both 1 and 2
 - Neither 1 nor 2
8. Photochemical smog is a mixture of pollutants that are formed when nitrogen oxides and volatile organic compounds (VOCs) react to sunlight. Consider the following about VOCs:
- VOCs are produced from the evaporation of naturally-occurring compounds such as terpenes.
 - VOCs are formed from the incomplete combustion of fossil fuels, from the evaporation of solvents and fuels, and from burning plant matter.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2**
 - Neither 1 nor 2
9. Which of the following substances are Ozone depleting substances?
- Methyl Chloroform
 - Hydrochlorofluorocarbons
 - Methyl Bromide
 - Methyl Iodide
- Select the correct answer using the codes:
- 1, 2 and 3 only**
 - 1, 2 and 4 only
 - 1 and 3 only
 - 1, 2, 3 and 4
10. Which of the following statements correctly explains 'Visual Pollution'?
- It is the presence of extra artificial light at night.
 - It is the increase of dust and smoke in the atmosphere causing haziness.
 - It is an aesthetic issue and refers to the impacts of pollution that impair one's ability to enjoy a vista or view.**
 - None of the above
11. Consider the following statements regarding recent ban on various apps by Government of India:
- Ministry of Science and Technology has invoked its power under section 69A of the Information Technology Act to ban these apps.
 - The Indian Cyber Crime Coordination Centre is under the Ministry of Information Technology.
- Which of the statements given above is/are NOT CORRECT?
- 1 only
 - 2 only
 - Both 1 and 2**
 - Neither 1 nor 2
12. Consider the following statements regarding Global Partnership on Artificial Intelligence (GPAI):
- India is one of the founding members of GPAI.
 - 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?
- 1 only
 - 2 only
 - Both 1 and 2**
 - Neither 1 nor 2
13. Consider the following statements about Responsible AI for Youth Programme:
- The program is designed by Microsoft and Intel India.
 - 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?
- 1 only
 - 2 only
 - Both 1 and 2**

d) Neither 1 nor 2

14. Consider the following statements:

1. Massive Machine Type Communications (mMTC) technology supports ultra-highspeed 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 'Cryptojackng'?

- 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. With reference to Jagannath Puri temple, consider the following statements:

1. It was constructed under the regime of the Eastern Ganga Dynasty.
2. It is part of the Char Dham pilgrimage.

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**

22. With reference to the Committee on World Food Security (CFS), consider the following systems:

1. The committee reports to the United Nations General Assembly.
2. It receives funding only through the World Food Programme (WFP).

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

23. With reference to the Tholpavakoothu, consider the following statements:

1. It is a traditional temple art in Kerala.
2. The theme is based on the Kamba Ramayana.
3. It is a shadow puppet play that represents the integration of Aryan and Dravidian cultures.

Which of the statements given above is/are correct?

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

24. Consider the following statements about World Sustainable Development Summit:

1. It is an annual flagship event of the United Nations Framework Convention on Climate Change.
2. It aims to bring together global leaders and thinkers in the fields of sustainable development and energy sector on a common platform.

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

25. Consider the following pairs:

State	Shadow Puppetry
1. Karnataka	Ravanachhaya
2. Maharashtra	Charma Bahuli Natya
3. Tamil Nadu	Thol Bommalata
4. Odisha	Togalu Gombeyaata

Which of the pairs given above are correctly matched?

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