

1. Consider the following statements:
 1. The Cartagena Protocol on Biosafety to the Convention on Biological Diversity aims to ensure the safe handling, transport and use of living modified organisms (LMOs) that may have adverse effects on biological diversity.
 2. The Nagoya Protocol is an international agreement which aims at sharing the benefits arising from the utilization of genetic resources in a fair and equitable way.
 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 regarding UNFCCC:
 1. The UNFCCC is the parent treaty of the 1997 Kyoto Protocol.
 2. The UNFCCC secretariat is part of the United Nations.
 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 regarding Intergovernmental Panel on Climate Change (IPCC):
 1. The IPCC is an organization of governments that are members of the United Nations or World Meteorological Organization(WMO).
 2. The objective of IPCC is to mitigate the effects of climate change especially in the less developed countries.
 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 United Nations Environment Programme (UNEP):
 1. UNEP is headquartered in Paris, France.
 2. The United Nations Environment Assembly is the world's highest-level decision-making body on 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
5. Scientific Committee on Problems of the Environment (SCOPE)'s primary function is
 - a) To advise the UN members on key environmental issues.
 - b) To study the environmental impact of Scientific inventions.
 - c) To develop scientific reviews of key environmental issues.**
 - d) All the above
6. Consider the following statements about United Nations Convention to Combat Desertification (UNCCD).
 1. It is the only internationally legally binding framework set up to address the problem of desertification.
 2. The Convention is based on the principles of participation, partnership and decentralization.
 3. The Conference of the Parties (COP) will be held biennial.
 Which of the above statements is/are correct?
 - a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1 only
 - d) 1, 2 and 3**
7. Consider the following statements about Strategic Approach to International Chemicals Management (SAICM).
 1. It was adopted by the First International Conference on Chemicals Management (ICCM1).
 2. India is the member of this Multilateral Environmental Agreement.
 Which of the above statements is/are correct?
 - a) 1 only
 - b) 2 only
 - c) Both 1 and 2**
 - d) Neither 1 nor 2
8. Recently Kigali Agreement was in the news. Which of the following statements is/are correct regarding Kigali Agreement?
 1. It is an amendment in Kyoto protocol.
 2. As per the agreement, member countries are expected to reduce the manufacture and use of Hydrofluorocarbons (HFCs) by roughly 80-85% from their respective baselines, till 2045.
 Select the correct answer using the code given below:

- a) 1 only
c) Both 1 and 2
b) 2 only
d) Neither 1 nor 2
9. Consider the following statements:
1. In Meeting of Parties (MoP) of Montreal Protocol at Kigali, HFCs have been included in the list of chemicals under Montreal Protocol.
2. HFCs are the severe Ozone depleting substances.
3. India has promised to completely stop the use and production of HFCs by 2025.
Which of the above statements is/are incorrect?
a) 1 only
b) 2 and 3 only
c) 3 only
d) 1 and 2 only
10. Wildlife Crime Control Bureau was established in 2007 to fight the organized Wildlife crime in India. Which of the following statements regarding WCCB is/are correct?
1. It is a statutory body established by Amending the Wildlife (Protection) Act 1972.
2. It comes under the Ministry of Environment and Forest.
3. A Centralised Wildlife Crime data bank has been established by WCCB.
Select the correct answer using the code given below:
a) 1 and 2 only
b) 2 and 3 only
c) 1 and 3 only
d) 1, 2 and 3
11. Consider the following statements regarding
1. The SARS-CoV-2 virus, (which causes Covid-19) does not have a DNA, but an RNA molecule.
2. The reverse transcription process converts the RNA into the DNA molecule before the gene can be captured in the test.
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
12. Consider the following statements regarding the Oxytocin Hormone
1. This plays a crucial role in the childbirth process.
2. This hormone is produced by the pituitary gland and secreted by the hypothalamus
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 regarding the differences between Bacteria and the Viruses
1. Bacteria are single-celled, living organisms whereas Viruses are usually considered as between living and non-living things.
2. Bacteria does not need a host for reproduction whereas viruses replicate only inside the hosts (living cell)
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 regarding the mandate of Indian Council of Medical Research (ICMR)
1. It is the apex body in India for the formulation, coordination and promotion of biomedical research
2. It conducts, coordinates and implements medical research for the benefit of the Society
3. It translates medical innovations in to products/processes and introduce them in to the public health system.
Which of the statements given above is/are correct?
a) 1 and 2 only
b) 1, 2 and 3
c) 2 and 3 only
d) 1 and 3 only
15. NITI Aayog's Health Index ranks the States and Union Territories based on 23 health-related indicators which include
1. Neonatal Mortality Rate
2. Under-Five Mortality Rate
3. Total Fertility Rate (TFR)
4. Full Immunisation Coverage

5. Proportion Of Low Birth Weight Among New-Borns
Which of the following best describes the above features?
- 1, 2 and 4 only
 - 1, 2, 3 and 4 only
 - 2 and 3 only
 - 1, 2, 3, 4 and 5**
16. India along with other countries in the South East Asian Region have signed World Health Organisation's (WHO) Call To end Tuberculosis (TB) by 2030 in the region. Which of the following statements is/are correct about TB?
- It is bacterial disease which generally affects the lungs but can also affect other parts of the body.
 - It is a communicable disease which generally spreads only through physical contact with the infected person.
 - If the TB strain shows resistance to first line drugs, it is called Multiple Drug Resistant TB (MDR TB).
- Select the correct answer using the code given below:
- 1 and 2
 - 2 and 3
 - 1 and 3**
 - All of the above
17. With reference to Photodynamic Therapy, consider the following statements:
- It uses a photosensitive drug that becomes active under the action of light.
 - It is used in treatment of cancer.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2**
 - Neither 1 nor 2
18. Generic Drugs have gain lot of attention in recent times due to Indo-US spat over IPR and Drug regime. Consider the following statements, to gain FDA approval, a generic drug must:
- Contain the same active ingredients as the innovator drug
 - Be identical in strength, dosage form, and route of administration
 - Be bioequivalent
 - Meet the same batch requirements for identity, strength, purity, and quality
- Select the correct answer using the code given below:
- 1, 2 and 3
 - 2 and 4
 - 1, 3 and 4
 - 1, 2, 3 and 4**
19. Consider the following statements regarding 'National Pharmaceutical Pricing Authority':
- NPPA is nodal government regulatory agency that controls the prices of pharmaceutical drugs in India.
 - It comes under the aegis of Ministry of Health and family welfare.
 - NPPA decides the ceiling prices of essential medicines under The Drug (Prices Control) Order 2013.
- Which of the above statements is/are correct?
- 1 and 2
 - 2 and 3
 - 1 and 3**
 - All of the above
20. Hepatitis is the medical term for inflammation of the liver. Consider the following regarding this
- There are five types of viruses responsible for Hepatitis
 - Intake of toxic substances, alcohol and certain drugs are some of the causes of Hepatitis
 - Hepatitis B is transmitted through exposure to infective blood, semen, and other body fluids.
- Which of the above statements is/are correct?
- 1 and 2
 - 2 and 3
 - 1 and 3**

d) 1, 2 and 3

21. Consider the following statements:

1. The development of the Bhakti movement took place in the eleventh century in northern India
2. Guru Ravidas was a devotee of lord Shiva.

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. Consider the following statements:

1. Chilika Lake was designated the first Indian wetland of international importance under the Ramsar Convention.
2. Chilika Lake is the largest salt-water lagoon of Asia.

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. Consider the following statements regarding 'Genetically Modified Crops':

1. It is a plant breeding process that involves crossing of species of the same genus to provide the offspring of desired traits.
2. DMH-11 mustard is the only Genetically Modified (GM) crop that is allowed in India.
3. Council of Scientific and Industrial Research (CSIR) is the apex body that allows for commercial release of GM crops.

Which of the statements given above is/are not correct?

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

24. Consider the following statements:

1. Dissolved Oxygen (DO) is a measure of the amount of free oxygen available in river systems.
2. The higher value of Biochemical Oxygen Demand (BOD) indicates low DO content of water.

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 the Saras Aajeevika Mela 2021, consider the following statements:

1. It is an initiative by the Deendayal Antyodaya Yojana-National Rural Livelihoods Mission (DAY-NRLM).
2. It aims to provide a platform to rural women to showcase their skills and products.

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