

1. Consider the following statements :
  - 1) Most biotechnological processes, including biofuel production, are dependent on the availability of low-cost and sustainable supply of sugars and a nitrogen source.
  - 2) The sugars typically come from plants which utilize light energy through the process of photosynthesis to convert carbon dioxide in the atmosphere into biological components such as sugars, proteins and lipids.
  - 3) However the yield of sugars from cyanobacteria could potentially be much lower than that of land-based crops.
 Which of the above statements are true?
  - a) 1 & 2 only    b) 2 & 3 only    c) 1 & 3 only    d) All of these
2. Consider the following pairs of nuclear reactors in India with their locations :
  - 1) Kalpakkam : Andhra Pradesh    2) Bhimpur : Haryana
  - 3) Kaiga : Karnataka    4) Chutka : Madhya Pradesh
 Which of the above pairs are correctly matched?
  - a) 1 & 2 only    b) 3 & 4 only    c) 2 & 4 only    d) All of these
3. Which of the following statements regarding India's MSME sector stands true?
  - 1) India's vision of achieving 5 trillion dollar economy will only be possible when 29 percent share of MSMEs to national growth will reach 50 percent.
  - 2) One of the major challenges faced by MSMEs is in restructuring stressed loans due to sector related problems or issues with the large industries to which they supply.
  - 3) Prime Minister's Employment Generation Programme (PMEGP) is a credit linked subsidy scheme which promotes self-employment through setting up of micro enterprises, where subsidy up to 35 percent is provided by the Government through Ministry of MSME.
 Choose the correct option:
  - a) 1 & 2 only    b) 2 & 3 only    c) 1 & 3 only    d) All of these
4. The central government has sanctioned 32 projects under Pradhan Mantri Kisan Sampada Yojana (PMKSY) recently. Which of the following statements regarding the same stands true?
  - 1) The main objective of this Scheme is creation of processing and preservation capacities and modernisation/ expansion of existing food processing units with a view to increasing the level of processing, value addition leading to reduction of wastage.
  - 2) The processing activities undertaken by the individual units covers a wide range of post-harvest processes resulting in value addition and/or enhancing shelf life with specialized facilities required for preservation of perishables.
  - 3) The food sector has emerged as a low-growth and low-profit sector due to its lesser potential for value addition, particularly within the food processing industry.
 Choose the correct option:
  - a) 1 & 2 only    b) 2 & 3 only    c) 1 & 3 only    d) All of these
5. Recently two new species of birds named -Red Throated Thrush and Plumbeous Water Redstart were sighted for the first time in India. Which of the following states/UT's were the birds spotted?
  - a) Andaman & Nicobar islands    b) Ladakh
  - c) Arunachal Pradesh    d) Assam
6. Recently around 12 children died in Udhampur district of Jammu due to poisoned cough syrup (Coldbest-PC). The deaths were attributed to the presence of diethylene glycol in the cough syrup. Which of the following statements regarding the same stands true?
  - 1) Diethylene glycol is an anti-freezing agent that causes acute renal failure in the human body followed by paralysis, breathing difficulties and ultimately death.
  - 2) Diethylene glycol is used in the manufacture of saturated and unsaturated polyester resins, polyurethanes, and plasticizers as well.
  - 3) Even though India has notified binding guidelines or rules on recalling dangerous drugs from the market but the implementation of these guidelines are sloppy.
 Choose the correct option:
  - a) 1 & 2 only    b) 2 & 3 only    c) 1 & 3 only    d) All of these

7. Consider the following pairs of Indian classical dance forms and their corresponding states :
- |                          |                           |
|--------------------------|---------------------------|
| 1) Bommalu :Tamilnadu    | 2) Panwariya : Bihar      |
| 3) Keertan : West Bengal | 4) Jhumar : Jammu Kashmir |
- Which of the above pairs are correctly matched?
- a) 1 & 2 only      b) 2 & 4 only      c) 1 & 3 only      d) 2 & 3 only
8. Consider the following statements regarding delimitation commission :
- 1) The Delimitation commission or Boundary commission of India is a commission established by the Government of India under the provisions of the Delimitation Commission Act.
  - 2) The delimitation exercise to readjust the division of each State and Union territory into territorial constituencies for the purpose of elections to the Lok Sabha and to the State Legislative Assemblies on the basis of 2001 census figures was completed by November 26, 2008.
  - 3) However, this exercise under aegis of the Delimitation Commission, was postponed in Assam, Arunachal Pradesh, Manipur and Nagaland on apprehension of threat to the peace and public order.
- Which of the above statements stands true?
- a) 1 & 2 only      b) 2 & 3 only      c) 1 & 3 only      d) All of these
9. Which of the following statements regarding the recently held dolphin census in Odisha stands true?
- 1) The 2019 dolphin census report revealed that Gahirmatha is the home of the state's largest dolphin population, having 126 animals, while the population has declined from 2018 numbers.
  - 2) The Irrawaddy dolphin is not a true river dolphin, but an oceanic one that lives in brackish water near coasts, river mouths and in estuaries.
  - 3) Dolphins have been included in Schedule II of the Indian Wild Life (Protection) Act 1972, and categorised as vulnerable under IUCN red list.
- Choose the correct option:
- a) 1 & 2 only      b) 2 & 3 only      c) 1 & 3 only      d) All of these
10. The Lassa fever outbreak had recently led to the death of around 118 people. The Lassa fever is reportedly transmitted when saliva, urine, and excreta of rats come into contact with humans. It was reported in which of the following countries?
- a) Sudan      b) Nigeria      c) China      d) Japan
11. Consider the following statements regarding koala.
1. Koalas live in eastern Australia.
  2. Koalas typically inhabit open eucalypt woodlands, and the leaves of these trees make up most of their diet.
  3. It is recognisable by its stout, tailless body and large head.
- Which of the above statements is/are correct?
- a) 1, 2      b) 1, 3      c) 2, 3      d) 1, 2, 3
12. Consider the following statements regarding mandamus.
1. In India, the Supreme Court and High courts can issue prerogative writs under Article 32 of the Constitution.
  2. The writ of mandamus cannot be issued unless the legal duty is of public nature, and to whose performance the applicant of the writ has a legal right.
  3. Mandamus cannot be granted against the President or Governor of a State.
- Which of the above statements is/are correct?
- a) 1, 2      b) 1, 3      c) 2, 3      d) 2 only
13. There are over 1.36 crore Indian nationals living abroad, according to data tabled by the Ministry of External Affairs in Lok Sabha. Arrange the following countries in descending order in which number of Indians are living abroad.
- |                         |                 |
|-------------------------|-----------------|
| 1. United States        | 2. Saudi Arabia |
| 3. United Arab Emirates | 4. Singapore    |
- Select the correct answer code:
- a) 1-2-3-4      b) 3-2-1-4      c) 3-1-2-4      d) 1-3-2-4
14. Consider the following statements regarding Pangolins.
1. Pangolins are the only mammals wholly-covered in scales and they use those scales to protect themselves from predators in the wild.

2. They are one of the most trafficked mammals in Asia.
  3. Indian Pangolin is listed under Schedule I Part I of the Wildlife (Protection) Act, 1972.
- Which of the above statements is/are correct?
- a) 1, 2                      b) 2, 3                      c) 1, 3                      d) 1, 2, 3
15. Consider the following statements regarding Zero budget natural farming (ZBNF).
1. Zero budget natural farming (ZBNF) is a method of chemical free agriculture drawing from traditional Indian practices.
  2. ZBNF method uses intensive irrigation and deep ploughing.
  3. ZBNF method promotes soil aeration, intercropping, bunds and topsoil mulching.
- Which of the above statements is/are correct?
- a) 1, 2                      b) 2, 3                      c) 1, 3                      d) 1, 2, 3
16. Technical textiles are futuristic and niche segment of textiles, which are used in
1. Agriculture                      2. Railway tracks                      3. Healthcare
  4. Bullet proof jackets                      5. Roads                      6. High altitude combat gear
- Select the correct answer code:
- a) 1, 2, 3, 4, 5                      b) 2, 3, 4, 5, 6                      c) 1, 3, 4, 5, 6                      d) 1, 2, 3, 4, 5, 6
17. Consider the following statements regarding novel coronavirus (COVID-19).
1. The novel coronavirus disease that emerged in Wuhan, China, is now in at least 40 countries around the world, spanning every continent.
  2. It has been described as insidious.
  3. WHO has declared it as a “Public Health Emergency of International Concern”.
- Which of the above statements is/are correct?
- a) 1, 2                      b) 2, 3                      c) 1, 3                      d) 1, 2, 3
18. Consider the following statements.
1. Central Consumer Protection Authority is being constituted under the provisions of Consumer Protection Act, 2019.
  2. Consumer Protection Act, 2019 recognises offences such as providing false information regarding the quality or quantity of a good or service, and misleading advertisement.
- Which of the above statements is/are correct?
- a) 1 only                      b) 2 only                      c) Both 1 and 2                      d) Neither 1 nor 2
19. Consider the following statements regarding Amazon rainforest.
1. Amazon rainforest is a moist broadleaf tropical rainforest in the Amazon biome.
  2. The forest spreads across Brazil, Paraguay, Bolivia, Peru and Ecuador.
  3. The majority of the forest is contained within Brazil.
- Which of the above statements is/are correct?
- a) 1, 2                      b) 2, 3                      c) 1, 3                      d) 1, 2, 3
20. Consider the following statements regarding Protection of Children from Sexual Offences Act (POCSO Act).
1. The Act defines a child as any person below eighteen years of age.
  2. It is the legal duty upon a person who has knowledge that a child has been sexually abused to report the offence.
  3. The POCSO Act is only applicable to child survivors and adult offenders.
- Which of the above statements is/are correct?
- a) 1, 2                      b) 1, 3                      c) 2, 3                      d) 1, 2, 3

### ANSWER KEYS

|    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |    |   |
|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|
| 01 | a | 02 | b | 03 | d | 04 | a | 05 | b | 06 | a | 07 | d | 08 | d | 09 | a | 10 | b |
| 11 | d | 12 | c | 13 | b | 14 | d | 15 | c | 16 | d | 17 | b | 18 | c | 19 | c | 20 | d |