

1. The Centre has asked all milk cooperatives and private dairies to halve plastic usage by October 2, which of the following statements regarding the same stands true?
1. The milk industry is one of the largest users of single use plastics, with the growing use of disposable pouches replacing milk vendors and vending machines in many areas.
  2. Under the Extended Producer Responsibility component of the Plastic Waste Management (PWM) Rules, revised in 2018, industries are already required to recover and recycle part of the plastic packaging they generate.
  3. In case of plastic wastage in milk industry, only the packets collected by rag pickers get recycled while the rest of them end up clogging drains, rivers, lakes, creating sewage and toxic foam.

Choose the correct option :

- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above
2. The Earth's surface- geologically called the Lithosphere- is made up of large plates, in constant motion, travelling a few centimeters every year. The hot magma or molten rock inside the core of the earth causes convection currents which move the plates in different directions. Which of the following plates are connected with the Indian plates?
1. Nazca plate
  2. Indo-Australian plate
  3. Cocos plate
  4. Eurasian plate
  5. Arabian plate

Choose the correct option :

- (a) 1, 2 & 3 only                      (b) 2, 4 & 5 only  
(c) 3, 4 & 5 only                      (d) All of the above
3. Which of the following statements regarding the LIGO (Laser Interferometer Gravitational Wave Observatory ) project consortium stands true?
1. The LIGO-India project is an international collaboration between the LIGO Laboratory and three lead institutions in the LIGO-India consortium which can detect even the faintest ripples from cosmic explosions millions of light years away.
  2. The project operates three gravitational-wave (GW) detectors. Two are at Hanford in the State of Washington, north-western USA, and one is at Livingston in Louisiana, south-eastern USA.
  3. The project, piloted by ISRO and Department of Science and Technology (DST), reportedly costs  1,200 crore and is expected to be ready by 2030.

Choose the correct option :

- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above
4. Consider the following statements regarding National Cooperative Consumers' Federation of India (NCCF) :
1. NCCF was established on 16th October, 1965 to function as the apex body of consumer cooperatives in the country.
  2. The main objectives of the NCCF are to provide supply support to the consumer cooperatives and other distributing agencies for distribution of consumer goods at reasonable and affordable rates besides rendering technical guidance and assistance to the consumer cooperatives.
  3. It is registered under the society registration at 1860.

Which of the above statements are true ?

- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above

5. The “Dindigul lock” and “Kandangisaree” which recently got Geographical Indication(GI) tag belongs to which of the following southern states of India ?  
(a) Kerala                              (b) Tamil Nadu  
(c) Andhra Pradesh                      (d) Karnataka
6. Consider the following statements regarding International Renewable Energy Agency (IRENA).

1. International Renewable Energy Agency (IRENA) is an intergovernmental organisation mandated to facilitate cooperation, advance knowledge, and promote the adoption and sustainable use of all forms of renewable energy.
2. It is the first international organisation to focus exclusively on renewable energy, addressing needs in both industrialized and developing countries.
3. IRENA provides financial assistance to developing countries to accelerate renewable energy deployment.
4. IRENA is an official International Solar Alliance observer.

Which of the above statements is/are correct?

- (a) 1, 2, 3                      (b) 1, 2  
(c) 1, 2, 4                      (d) 1, 2, 3, 4

7. Consider the following statements about Oxytocin.

1. Oxytocin has been dubbed as the hug hormone due to its effects on behaviour.
2. Oxytocin is a hormone that is made in the brain, in the hypothalamus.
3. WHO has come up with Carbetocin as a safe and effective alternative to the drug oxytocin.
4. It does not have any effect on female reproductive functions.

Which of the above statements is/are correct?

- (a) 1, 2                      (b) 1, 2, 3  
(c) 2, 3, 4                      (d) 1, 2, 4

8. Consider the following statements about Swift (Society for Worldwide Interbank Financial Telecommunications) messaging system.

1. It is a messaging network that financial institutions use to securely transmit information and instructions through a standardized system of codes.
2. SWIFT does not facilitate funds transfer rather it sends payment orders which must be settled by correspondent accounts that the institutions have with each other.
3. SWIFT India is a joint venture of top Indian public and private sector banks and SWIFT (Society for Worldwide Interbank Financial Telecommunication).

Which of the above statements is/are correct?

- (a) 1 only                      (b) 1, 2  
(c) 1, 3                      (d) 1, 2, 3

9. Consider the following statements regarding ‘Samarth’ scheme.

1. It is a scheme for capacity building and skilling in the textile sector.
2. All south Indian states have signed (MoU) with Union Ministry of Textiles for skilling workers as part of Samarth scheme.

Which of the above statements is/are correct?

- (a) 1 only                      (b) 2 only

- (c) Both                      (d) None
10. Consider the following statements about 'Panchamirtham' of Palani temple :
1. The Palani panchamirtham, given as 'prasadam' at the Murugan temple in Tamil Nadu, has been granted the Geographical Indication (GI) tag.
  2. This is the first time a temple 'prasadam' from Tamil Nadu has been bestowed with the GI tag.
- Which of the above statements is/are correct?
- (a) 1 only                      (b) 2 only  
(c) Both                      (d) None
11. From the following statements :
1. Shagun online junction is launched by Union HRD ministry .
  2. It is one of world's largest system of its kind to improve school education
- Choose the correct option :
- (a) Only 1                      (b) Only 2  
(c) Both                      (d) None
12. Coprolite recently in news are
- (a) Bacteria
  - (b) Type of algae
  - (c) Newly discovered rocks
  - (d) Fossils
13. Read the following statements :
1. Giraffes are only found in Africa
  2. They have been listed as 'Vulnerable' on the IUCN list.
  3. The giraffe has been placed in Appendix II of CITES.
- Choose the correct option :
- (a) 1 & 2                      (b) 1 & 3  
(c) 2 & 3                      (d) All the above
14. Consider the following statements regarding occurrence of forest fires :
1. Human activities near or within forested areas are the number one cause of forest fires.
  2. Lightning is the biggest natural cause of forest fires.
  3. Sometime volcanic activities such as eruptions and lava flow can cause forest fires.
  4. Human-caused fires constitute the greater percentage of forest fires in our forests, but natural fires constitute the great majority of the total area burned.
- Which of the above statements are true ?
- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above
15. Consider the following hill stations of India with their location states :
1. Panchgani : Madhya Pradesh
  2. Chail : Himachal Pradesh
  3. Horsley hills : Maharashtra
  4. Patnitop : Jammu & Kashmir
  5. Almora : Uttarakhand
- Which of the above pairs are incorrectly matched ?
- (a) 1, 2 & 3 only                      (b) 3 & 5 only  
(c) 1 & 3 only                      (d) 2 & 4 only

16. Recently beaches in Chennai witnessed a blue shimmer on the waves. The visitors spotted a magical blue glow on the beach. Which of the following statements regarding the same stands true ?

1. According to marine experts, the blue glow is known as Bioluminescence. The phenomenon is caused by Noctiluca scintillans, a type of phytoplankton that converts their chemical energy into light energy when washed ashore.
2. Similar to the sight of fireflies, bioluminescence is found in many marine organisms such as bacteria, algae, jellyfish, worms, crustaceans, sea stars, fish and sharks.
3. The occurrence of these phytoplanktons is highly beneficial to the ecosystem in the long run as they provide food for the fishes.

Choose the correct option :

- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above

17. Consider the following statements :

1. The RBI earns money in a variety of ways like the Open market operations, wherein a central bank purchases or sells bonds in the open market in order to regulate money supply in the economy, are a major source of income for the RBI.
2. Dealings in the foreign exchange market that the RBI engages in may also contribute to the bank's profits.
3. However, that unlike commercial banks, the primary mandate of the RBI is not to earn profits but to preserve the value of the rupee. Profit and loss are thus merely a side effect of its regular operations to shape monetary policy.

Which of the above statements stands true ?

- (a) 1 & 2 only                      (b) 2 & 3 only  
(c) 1 & 3 only                      (d) All of the above

18. Which of the following cities have been ranked number one in the safe city index (SCI-2019) by the economic intelligence unit ?

- (a) London                      (b) Tokyo  
(c) Beijing                      (d) Ottawa

19. From the following statements :

1. State of the World Population 2019 is released by United Nations Population Fund (UNFPA) .
2. India's fertility rate in 2019 is 2.3 births per woman, compared to 2.5 worldwide .

Choose the correct option :

- (a) Only 1                      (b) Only 2  
(c) Both                      (d) None

20. Which country has launched a space command recently?

- (a) Pakistan                      (b) Iran  
(c) Russia                      (d) USA

## **ANSWER KEYS**

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