

1. Consider the following statements:
  1. INS Arihant is India's first indigenously built nuclear submarine.
  2. It was jointly developed by the Indian Navy, Bhabha Atomic Research Centre (BARC) and Defence Research and Development Organisation (DRDO).
  3. French designers assisted in building the vessel.
 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) All of the above
2. Which of the following constitutes a 'nuclear triad'?
  1. Land-launched nuclear missiles.
  2. Nuclear-missile-armed submarines.
  3. Strategic aircraft with nuclear bombs and missiles.
  4. Aircraft carrier equipped with nuclear warheads.
 Select the correct answer using the code given below:
 

(a) 1, 2 and 3 only	(b) 2, 3 and 4 only
(c) 1, 3 and 4 only	(d) 1, 2 and 4 only
3. The Intermediate-Range Nuclear Forces (INF) Treaty, which was recently in news, is a bilateral agreement between:
  - (a) U.S. and Britain
  - (b) Germany and France
  - (c) Israel and Iran
  - (d) U.S. and Russia
4. The 'H' and 'N' in H1N1 influenza represent:
 

(a) Viruses	(b) Proteins
(c) Bacteria	(d) Varieties of pigs
5. Which of the following are among the countries to receive temporary exemptions from U.S. sanctions on Iran?
  1. India
  2. Pakistan
  3. China
  4. Taiwan
 Select the correct answer using the code given below:
 

(a) 1, 2 and 3 only	(b) 2, 3 and 4 only
(c) 1, 3 and 4 only	(d) 1, 2 and 4 only
6. Consider the following statements about the state-of-the-art Air Quality and Weather Forecast System- SAFAR (System of Air Quality and Weather Forecasting):
  1. It has been developed by the Defence Research and Development Organization.
  2. It gives out real-time air quality index on 24 x 7 basis with colour coding along with 72-hour advance forecast.

3. In addition to regular air quality parameters like PM2.5, PM10, Sulfur Dioxide, Ozone, Nitrogen Oxides, Carbon Monoxide, the system will also monitor the existence of Benzene, Toluene and Xylene.

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) All of the above

7. Article 323-A of the constitution provides for the establishment of administrative tribunals by a parliament law for the adjudication or trial of disputes and complaints relating to the recruitment and conditions of service of government servants under the:

1. Central government.
2. State government.
3. Any local or other authority within the territory of India.
4. A corporation owned or controlled by the government.

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only  
 (b) 2, 3 and 4 only  
 (c) 1, 3 and 4 only  
 (d) All of the above

8. Consider the following statements:

1. Intestinal parasitic worms are large multicellular organisms which can be seen with the naked eye.
2. Intestinal parasitic worms are a group of animals called Helminths.
3. India carries the highest burden of worm infestation in the world.

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) All of the above

9. Which of the following animals have been covered under the 'Recovery programme for critically endangered species and habitats'?

1. Nilgiri Tahr
2. Dolphin
3. Asian Wild Buffalo
4. Dugongs

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only  
 (b) 2, 3 and 4 only  
 (c) 1, 3 and 4 only  
 (d) All of the above

10. The National Compensatory Afforestation Fund under the Public Account of India, and a State Compensatory Afforestation Fund under the Public Account of each state receive payments for:

1. Compensatory afforestation
2. Net present value of forest (NPV)

3. Project specific payments

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) All of the above

11. Consider the following statements about the Intermediate-Range Nuclear Forces (INF) Treaty, a bilateral agreement between U.S. and Russia:

1. It covers all ground, sea and air-launched-missiles of 500-5,500 km range.
2. It was signed in 1987 by U.S. President Ronald Reagan and Soviet General Secretary Mikhail Gorbachev.
3. It will lapse in 2021 unless renewed for a five-year period.

Select the correct answer using the code given below:

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

12. One of the main concerns of which of the following diseases is the growing body of evidence that supports a connection to microcephaly, an unusually small head size in newborn babies?

- (a) Zika Virus                      (b) Nipah Virus  
 (c) Ebola Virus                      (d) All of the above

13. Bhabhatron, the indigenous telecobalt machine, is one of the successful products developed by Bhabha Atomic Research Centre, Mumbai for:

- (a) Nuclear Missiles  
 (b) Measuring age of fossiles  
 (c) Cancer treatment  
 (d) Laser Weapons

14. Which of the following statements are true regarding "India for Humanity" initiative?

1. It is meant to commemorate the 150 birth anniversary of Mahatma Gandhi.
2. Under this initiative, India would be organising camps of the well known Jaipur Foot in all parts of the world and serve the needy with necessary support.

Select the correct answer using the code given below:

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

15. Consider the following statements about the Mahila E-Haat initiative:

1. It is an initiative for women of all the age-group across the country as a part of 'Digital India' and 'Stand Up India' initiatives.
2. It has been led by the Ministry of Finance under Rashtriya Mahila Kosh (RMK).

Select the correct answer using the code given below:

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

16. Consider the following statements about the Pradhan Mantri Rojgar Protsahan Yojana:

1. It aims to incentivize employers for new employment.
2. The scheme is applicable to those having earnings less than Rs. 15,000/- per month.
3. It has been launched by the Ministry of Labour & Employment.

Select the correct answer using the code given below:

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

17. Consider the following statements about the Great Indian Bustard:

1. It is listed in Schedule I of the Indian Wildlife (Protection) Act, 1972.
2. It is covered by the Convention on Migratory Species.
3. It is covered in Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora.
4. It is listed as Critically Endangered on the IUCN Red List.

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only                      (b) 2, 3 and 4 only  
 (c) 1, 3 and 4 only                      (d) All of the above

18. Consider the following statements:

1. The Periyar river flows into the Arabian Sea.
2. It is one of the seasonal rivers in the region.
3. It flows through Periyar National Park.

Select the correct answer using the code given below:

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

19. Which of the following are effects of the geomagnetic storms?

1. Extra drag on satellites in low-earth orbit.
2. Modification in the path of radio signals.
3. Disruption of navigation systems such as the Global Navigation Satellite System.
4. Creation of harmful geomagnetic induced currents (GICs) in the power grid and pipelines.

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only                      (b) 2, 3 and 4 only  
 (c) 1, 3 and 4 only                      (d) All of the above

20. Consider the following statements:

1. H5N1 is a type of influenza virus that causes a highly infectious respiratory disease in pigs.
2. It is difficult to transmit the H5N1 infection from person to person.

Select the correct answer using the code given below:

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

## **ANSWER KEYS**

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