

1. The LIGO (Laser Interferometer Gravitational-wave Observatory) detected gravitational waves due to collision of two neutron stars for the second time. Which of the following statements regarding the same stands true?
  - 1) The gravitational waves are caused by exploding stars, black holes, merging neutron stars. LIGO helps to detect these waves and analyze the information that they carry.
  - 2) Currently LIGO operates three gravitational wave detectors at Livingston, Louisiana and Hanford. LIGO India is to come up in Maharashtra.
  - 3) As the waves interact very strongly with matter, they help to learn about the universe and its origin.
 Choose the correct option:  
 a) 1 & 2 only      b) 2 & 3 only      c) 1 & 3 only      d) All of these
2. Consider the following pairs of lakes and their corresponding states in India :
  - 1) Kanwarlake : Karnataka
  - 2) Deeporbeellake : Assam
  - 3) Thollake :Sikkim
  - 4) Dhankarlake : Himachal Pradesh
  - 5) Blue bird lake : Haryana
 Which of the above pairs are correctly matched?  
 a) 1, 2 & 3 only      b) 2, 4 & 5 only      c) 2, 3 & 4 only      d) All of these
3. The Centre has issued revised guidelines for mutual legal assistance in criminal matters with other nations as part of the government's policy of zero tolerance for crime. Which of the following statements regarding the same stands true?
  - 1) India has signed Mutual Legal Assistance Treaties (MLAT) with 72 countries for cooperation in criminal matters and the Ministry of External affairs is the designated central authority for the country for it.
  - 2) The revised guidelines provide step-by-step guidance to the investigation agencies for drafting and processing letters or mutual legal assistance requests and service of summons, notices and other judicial documents.
  - 3) Over the decade, there have been substantial changes in international cooperation based on new legislations, regulations and conventions and amendment in procedural laws all over the world including India.
 Choose the correct option:  
 a) 1 & 2 only      b) 2 & 3 only      c) 1 & 3 only      d) All of these
4. Which of the following statements regarding the Parliamentary Budget Office (PBO) stands true?
  - 1) A PBO is an independent and impartial body linked directly to Parliament. It provides technical and objective analysis of Budgets and public finance to the House and its committees.
  - 2) India was amongst the first countries to form the body in its Parliament.
  - 3) Budgets generally start with an economic forecast. A PBO can present either its own independent forecast or it can validate the government's, providing an objective analysis on the official forecast.
 Choose the correct option:  
 a) 1 & 2 only      b) 2 & 3 only      c) 1 & 3 only      d) All of these
5. Which of the following island nations declared a national emergency due to an earthquake causing heavy damages recently?
  - a) Bahamas      b) Puerto Rico      c) White island      d) Phillipines
6. Consider the following statements regarding International Human Solidarity Day.
  1. The United Nations General Assembly identified solidarity as one of the fundamental and universal values that should underline relations between people from around the world in the 21st century.
  2. The International Human Solidarity Day is based on the Sustainable Development Agenda.

3. International Human Solidarity Day aims to Celebrate unity in diversity.  
Which of the above statements is/are correct?  
a) 1, 2                      b) 1, 3                      c) 2, 3                      d) 1, 2, 3
7. Consider the following statements :
1. Department of Military Affairs (DMA) has been created in the Ministry of Defence (MoD) and it will be headed by the Defence Minister.
  2. General Bipin Rawat was appointed as the Chief of Defence Staff (CDS) which is a high military office that oversees and coordinates the working of the three Services of Indian Armed Forces.
  3. Chief of Defence Staff is not a ministerial position and it is the first time in the history of independent India that a uniformed individual will head a government department.
- Which of the above statements is/are correct?  
a) 1, 2                      b) 1, 3                      c) 2, 3                      d) 1, 2, 3
8. Consider the following statements regarding Section 144 CrPC :
1. It gives power to a District Magistrate on behalf of the State Government to issue an order to an individual or the general public in a particular place or area to “abstain from a certain act”.
  2. Mere apprehension of danger is sufficient to curb citizens’ rights by invoking Section 144 CrPC.
  3. Section 144 also empowers the authorities to block the internet access.
- Which of the above statements is/are correct?  
a) 1, 2                      b) 1, 3                      c) 2, 3                      d) 1 only
9. Consider the following statements regarding Leader of the Opposition in either House of the Parliament of India.
1. The position of Leader of the Opposition received statutory recognition through the Salary and Allowances of Leaders of Opposition in Parliament Act, 1977
  2. When no party in the Lok Sabha secures required seats to form an opposition party and to designate a Leader of opposition, the matter is then decided by the President of India.
- Which of the above statements is/are correct?  
a) 1 only                      b) 2 only                      c) Both                      d) None
10. Consider the following statements regarding Fisheries and Aquaculture Infrastructure Development Fund (FIDF) :
1. The fund will mainly be used by the coastal states to invest in infrastructure facilities for deep-sea fishing, post-harvesting and export promotion of fish and marine products.
  2. The fund will provide subsidised finance to any farmer collectives, cooperatives, individuals and marine entrepreneurs.
  3. State Bank of India (SBI) will act as nodal entity for providing “concessional finance” under the fund.
- Which of the above statement is/are correct?  
a) 1 only                      b) 1, 2                      c) 1, 3                      d) 1, 2, 3
11. Consider the following statements :
1. NITI Aayog has released the composite SDG index for states in India
  2. The SDGs are a set of 17 broad-based global goals adopted by the United Nations General Assembly in 2015, and intended to be achieved by 2030.
- Choose correct option:  
a) Only 1                      b) Only 2                      c) Both 1 and 2                      d) None
12. Consider the following statements :
1. The successful launch of GSLV-MK III M1, India's most powerful launch vehicle, was accomplished in July, 2019.
  2. This launch vehicle is capable of launching 04 ton of satellites into Geosynchronous Transfer Orbit (GTO).
- Choose correct option:  
a) Only 1                      b) Only 2                      c) Both                      d) None

13. Consider the following statements :

1. Pradhan Mantri Van DhanYojana (PMVDY) is a Market Linked Tribal Entrepreneurship Development Program.
2. It has been launched with participation from all the 28 States where the scheme will be implemented by NAFED.

Choose correct option:

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

14. Consider the following statements :

1. Forest Survey of India (FSI) is an organization under the Ministry of Environment & Forests & Its principal mandate is to conduct survey and assessment of forest resources in the country.
2. Forest Research Institute (FRI) releases State of Forest Report biennially based on satellite imageries.

Choose correct option:

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

15. Consider the following statements :

1. The statistics ministry has constituted a 28 member Standing Committee on Statistics (SCES) chaired by Union minister of Statistics and Programme Implementation
2. It is to improve quality of data amid criticism of the government over political interference.

Choose correct option:

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

16. The country's first university for transgender community will be opened in

- a) Bhopal                      b) Mumbai                      c) New Delhi                      d) Uttar Pradesh

17. Consider the following statements :

1. A corona is an aura of plasma that surrounds the Sun and other stars.
2. It is only observable with a coronagraph.

Choose correct option:

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

18. Consider the following statements :

1. An ANN is based on a collection of connected units or nodes called artificial neurons, which loosely model the neurons in a biological brain
2. Its evolution is based on von Neumann model

Choose correct option:

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

19. Consider the following statements :

1. Bandhavgarh National Park is the largest National Park in Central India.
2. Maharaja Martand Singh of Rewa captured the first white tiger in this region in 1951
3. It is also the first tiger reserve in India to officially introduce a mascot, Bhoorsingh the Barasingha (Swamp Deer).

Choose correct option:

- a) 1 & 3                      b) 2 only                      c) All                      d) None

20. Articles related to centre-state relations are

1. 249                      2. 280                      3. 279A                      4. 312

Choose the correct option:

- a) 2 only                      b) 3 only                      c) 1, 2 & 3                      d) All of these

### **ANSWER KEYS**

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