

1. Which among the following is the official language of Union Territory of Lakshadweep ?

- [A] Tamil [B] Malayalam
[C] Great Andamanese [D] Sinhala

2. 'Mandu Festival' is related to which state?

- A. Maharashtra B. Uttarakhand
C. Madhya Pradesh D. West Bengal

3. The coil of the heating devices are generally made:

- A. very thin and short B. very thin and long
C. thick and short D. very thick and long

4. Consider the following statements and select the correct answer using the codes given below:

1) The pressure exerted by the blood in living beings is slightly higher than the atmospheric pressure on earth's surface.

2) The atmospheric pressure is slightly higher than the pressure exerted by the blood in living beings at higher altitudes.

Of these:

- A. Only 1 is correct B. Only 2 is correct
C. Both 1 and 2 are correct D. Neither 1 nor 2 is correct

5. Match the List-I with List-II and select the correct answer using the codes given below the lists:

- | List-I | List-II |
|------------------|----------------------------|
| A) Electric fuse | 1) Friedrich Drexler |
| B) Microscope | 2) Thomas Edison |
| C) Ammeter | 3) Zacharias Janssen |
| D) Endoscope | 4) Antonin Jean Desormeaux |

Codes:

- A B C D
A. 4 2 1 3 B. 2 3 1 4
C. 4 3 2 1 D. 2 4 3 1

6. The legislative, administrative and financial relations between the centre and the states are described in which Parts of the constitution?

- A. Parts 9 and 10 B. Parts 10 and 11
C. Parts 11 and 12 D. Parts 13 and 14

7. Which of the following provisions regarding national emergency was not enacted by the 44th Constitutional Amendment Act?

- A. Substituted the word "armed rebellion" for "internal disturbance".
B. Enabled the President to limit the operation of the emergency to a specified part of India.
C. Proclamation by the President can be made only on a written recommendation from the cabinet.
D. Periodic approval for further continuation by either House of the Parliament by special majority.

8. Bicholim and Sirigao iron ore mines are located in which of the following states of India?

- A. Maharashtra B. Karnataka
C. Tamil Nadu D. Goa

9. Which services are included in Quinary sector?

- A. Highest level of decision making in economy
B. Knowledge specific professionals
C. NRI activities
D. Both b and c

10. Dancing Deer is found in which of the following states of India?

- A. Assam B. Nagaland
C. Manipur D. Uttar Pradesh

11. Which of the following is not an asset of commercial bank in India?

- A. Advances B. Deposits
C. Call Money D. Investments

12. Masala bonds are denominated in?

- A. Indian Rupee B. Dollar
C. Yuan D. Multiple no. of currencies

13. With reference to Indian freedom struggle, leaders like Rajnarain Bose and Ashwini Kumar Dutt were associated with

- A. Moderates School of Thought
B. Revivalist School of Thought
C. Militant Nationalist School of Thought
D. None of the above

14. Who amongst the following published the newspaper, 'Mook Nayak'?

- A. MK Gandhi B. Jyotiba Phule
C. BR Ambedkar D. MG Ranade

15. Who amongst the following founded the Khudai Khidmatgar Movement?

- A. C Rajagopalachari B. Abdul Ghaffar Khan
C. JL Nehru D. MK Gandhi

16. Who is the author of of Mitti Ki Baarat, a collection of poems?

- A. Jaishankar Prasad B. Shivmangal Singh Suman
C. Mahadevi Verma D. Maithilisharan Gupta

17. _____ is a collection of methods that allows the correction of gene defect that has been diagnosed in a child or embryo.

- A. Genetic Engineering B. Gene therapy
C. Recombinant DNA technology D. Transgenic technology

18. During the production of bio gas, which of the following gas is not produced?

- A. Methane B. Carbon Dioxide
C. Hydrogen D. Oxygen

19. The Dandeli Wildlife Sanctuary is located in which Indian state?

- A. Kerala B. Tamil Nadu
C. Telangana **D. Karnataka**

20. CartoSat-3 is a satellite used for?

- A. Telecommunication **B. Earth observation**
C. TV broadcasting D. Meteorology

ANSWER

1. Correct Answer: B [Malayalam]

Official Languages of Lakshdweep are Malayalam and English, while there are two spoken languages also viz. Jeseri and Dhivehi.

2. Answer :Option C

The Mandu Festival was held from 13 to 15 February 2021 in the Dhar district of Madhya Pradesh.

The festival was inaugurated by Culture and Tourism Minister Usha Thakur of Madhya Pradesh.

The festival also emphasized handicrafts related to handmade art to encourage 'Vocal for Local' for the local people.

3. Answer :Option B

The coil of the heating devices is generally made very thin and long to increase the resistance of the wire so that the heating effect is increased. Because the resistance of the conductor depends (i) on its length, (ii) on its area of cross-section, and (iii) on the nature of its material. The resistance of a uniform metallic conductor is directly proportional to its length (l) and inversely proportional to the area of cross-section (A). If the length increases and the cross-sectional area decreases the resistance increases as a result heating device dissipate more heat.

4. Answer :Option A

Air has weight and therefore exerts pressure not only on the earth's surface but on all objects on the earth. In fact, human beings and other animals are living at the bottom of an ocean of air which exerts enormous pressure. This pressure is not felt because the blood exerts a slightly higher pressure from inside. At higher altitudes the atmospheric pressure is less, nose bleeding may occur due to greater pressure of blood.

5. Answer :Option B

A fuse is an electrical safety device that operates to provide overcurrent protection of an electrical circuit. It was patented by Thomas Edison in 1890. A microscope is a laboratory instrument used to examine objects that are too small to be seen by the naked eye. Zacharias Janssen, credited with inventing the microscope. An endoscope is an illuminated optical, typically slender and tubular instrument used to look deep into the body and used in procedures called an endoscopy. In 1853, Antonin Jean Desormeaux of France developed an instrument specially designed to examine the urinary tract and the bladder. He named it "endoscope," and it was the first time this term was used in history.

6. Answer :Option C

The provisions related to the legislative relations between the Centre and the states are described in Part 11 (Articles 243 to 255 of the Constitution). Administrative relations between the Center and the States are described in Part 11 (Articles 256 to 263 of the Constitution). Financial relations are described in Part 12 under Articles 268 to 281. Therefore, combining both parts 11 and 12 creates a framework for legislative, administrative, and financial relations between the Centre and the states.

7. Answer :Option B

Provisions of 44th amendment :-

- Restored the original term of the Lok Sabha and the state legislative assemblies (i.e., 5 years).
- Restored the provisions with regard to quorum in the Parliament and state legislatures.
- Omitted the reference to the British House of Commons in the provisions pertaining to the parliamentary privileges.
- Gave constitutional protection to publication in newspaper of true reports of the proceedings of the Parliament and the state legislatures.
- Empowered the president to send back once the advice of cabinet for reconsideration. But, the reconsidered advice is to be binding on the president.
- Deleted the provision which made the satisfaction of the president, governor and administrators final in issuing ordinances.
- Restored some of the powers of the Supreme Court and high courts.
- Replaced the term "internal disturbance" by 'armed rebellion' in respect of national emergency.

- Made the President to declare a national emergency only on the written recommendation of the cabinet.
- Made certain procedural safeguards with respect to national emergency and President's rule such as Periodic approval for further continuation by either House of the Parliament by special majority.
- Deleted the right to property from the list of Fundamental Rights and made it only a legal right.
- Provided that the fundamental rights guaranteed by Articles 20 and 21 cannot be suspended during a national emergency.
- Omitted the provisions which took away the power of the court to decide the election disputes of the president, the vice-president, the prime minister and the Speaker of the Lok Sabha.

The 42nd amendment act enabled the President to limit the operation of the emergency to a specified part of India. So, B is the answer.

8. Answer :Option D

* India is one of largest producer of iron ore in the world. Mines of India are distributed in different regions. Most of the India's ore deposits are concentrated in the north-east of peninsular India in the states of Jharkhand, Chhattisgarh and Odisha. Major mines are:

* Chhattisgarh: Arindogi, Raoghat and Bailadia (Bastar), Dhalli — Rajbara (Durg), etc.

* Odisha: Keonjhar, Mayurbhanj and Diringburi districts.

* Karnataka: Babudan hill, Hospet, Chitradurg, Tumkur, Sandur and Bellary districts.

* Jharkhand: Noamundi, Notaburu, Pansiraburu, Budaburu, Guo, Barajamada, Meghahataburu in Singhblim district.

Andhra Pradesh: Anantpur, Kurmool, Adilabad, Karimnagar, etc

* Goa: Bicholim, Sirigao, Mapusa, Netarlim, etc.

* Maharashtra: Pipalagoon, Asola, Lohara in Chandrapura district.

9. Answer :Option A

Quinary sector includes the highest levels of decision making in a society or economy.

* This sector includes top executives or officials in such fields as government, science, universities, nonprofits, health care, culture, and the media.

* These are services that focus on the creation, re-arrangement and interpretation of new and existing ideas.

10. Answer :Option C

The brow-antlered deer or the dancing deer is found in its natural habitat at Keibul Lamjao National Park over the floating biomass locally called "phumdi" in the southeastern part of Loktak Lake, Manipur.

11. Answer :Option B

• Deposit is a liability of a commercial bank.

• Major liabilities of a commercial bank are-

Paid up capital and Reserves, Time and Demand Deposits, Borrowings and other liabilities

• Major Assets of a commercial bank are-

Cash in hand and with RBI, money at call and short notice, investments, loans, advances and bills discounted and purchased

12. Answer :Option A

• Masala bonds are denominated in Indian Rupees only.

• These are issued by Indian entities in overseas markets.

• Investors directly take the currency risk or exchange rate risks in these bonds.

• The first Masala bond was issued in 2014 by IFC for the infrastructure projects in India.

• In 2019 Kerala became first state to issue Masala bonds.

13. Answer :Option C

With reference to Indian freedom Struggle, leaders like Rajnarain Bose and Ashwini Kumar Dutt were associated with Militant Nationalist School of Thought. They believed in armed struggle and violent non-cooperation against the British.

Other prominent leaders of this school of thought included – Vishnu Shastri Chiplunkar and BG Tilak (Maharashtra), Bipin Chandra Pal, Aurobindo Ghosh and Lala Lajpat Rai. They overtook/led the second phase (1905-1918) of Nationalism and fight against the British.

14. Answer :Option C

'Mook Nayak', a Marathi fortnightly, was founded and published by BR Ambedkar. It was founded in 1920 with the objective of highlighting the caste-based discrimination and malaise of caste-ridden society. Other prominent newspapers/magazines published by Ambedkar includes – Din Bandhu (late 19th century), Bahishkrut Bharat (1927-1929), Janata (1930-56), and Prabuddha Bharat (1956).

15. Answer :Option B

Abdul Ghaffar Khan (aka Bacha Khan) founded the Khudai Khidmatgar Movement ('Servants of God' movement). It was a nonviolent movement against the British occupation of Indian subcontinent. The movement centred around the North-West frontier. Bacha Khan, for his Gandhian approach in fighting against the British, was also known as Frontier Gandhi.

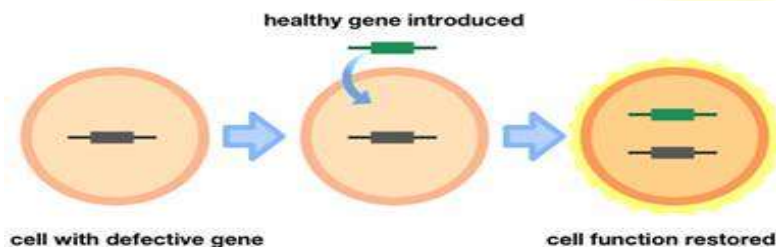
16. Answer :Option A

- Sohar folk songs are sung on the occasion of Childbirth.
- In the Bhojpuri dialect - Sohal - means feeling good. The same form has different names in different regions such as Somar, Sohla, Sohilo or Sogar.
- The songs are usually congratulatory in tone but some even describe the pains of pregnancy and child birth.

17. Answer :Option B

Gene Therapy

It is a collection of methods that allows the correction of a gene defect that has been diagnosed in a child or embryo. This method is applied in a person with a hereditary disease. In this method, genes are inserted into a person's cells and tissues to treat a disease.



18. Answer :Option D

Bio-gas is produced by the decomposition of waste organic matter like crop residue, sewage, vegetable waste in the absence of oxygen. Since the starting material is mainly cow-dung, it is also known as 'gobar-gas'.

The organic waste material like crop residue, sewage, vegetable waste is collected inside a sealed chamber in which there is no oxygen. Anaerobic micro-organisms that do not require oxygen break down these complex compounds. Decomposition process produces gases like methane, carbon dioxide, hydrogen, hydrogen sulphide.

Biogas is an excellent fuel and contains 75% methane. It burns without smoke, leaves no residue like ash in wood, charcoal and coal burning. Its heating capacity is high.

The slurry left behind in sealed chamber after producing biogas can be taken out and be used as manure (rich in nitrogen and phosphorus), thus providing efficient and safe method of waste disposal.

19. Answer :Option D

Dandeli Wildlife Sanctuary is located in the state of Karnataka, India. A selected forest area was notified as Dandeli Wildlife Sanctuary on 10 May 1956, and was further declared as Dandeli Anshi Tiger Reserve in 2006. The sanctuary is spread over an area of 834.16 sq km and is situated at an altitude of 100 to 970 meters. The sanctuary is home to many unique and rare species, such as the black tendu. It is home to around 200 species of birds, including the Ashley Swallow Shriek, Drango, Brahmini Bite, Malabar pied Hornbill and Minivet.

20. Answer :Option B

Cartosat-3 is the third generation **Earth observation satellite** built by **ISRO**. It is one of the most advanced imaging satellites built by the organization so far. It has the capability to produce high resolution aerial images in the world. The features of the satellite include:

- Panchromatic: Captures all visible colors of light
- Hyperspectral: Captures light from electromagnetic spectrum
- Multispectral: Captures light within specific ranges of the electromagnetic spectrum