

May, 2019**▶ TEST YOURSELF**
Multiple Choice Questions

1. Consider the following statements about the 'Scheme for Higher Education Youth for Apprenticeship and Skills':
1. It aims to align the education curriculum with the needs of industry & service sectors.
 2. It is a programme conceived for students in degree courses, primarily technical courses.
 3. It aims to establish, among others, an 'earn while you learn' system into higher education.
- 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. University Grants Commission (UGC) 'does not' allow degree courses in Open and Distance Learning (ODL) in which of the following subjects?
1. Architecture 2. Nursing
 3. Physiotherapy 4. Agriculture
- 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
3. Consider the following statements about NASA's Transiting Exoplanet Survey Satellite (TESS):
1. The satellite will search for planets outside of our solar system that could support life using "Wobbly" star method.
 2. The satellite will also cover a sky area 400 times larger than that monitored by Kepler.
 3. The satellite was launched in April 2018, aboard an Ariane 5 rocket from Europe's spaceport in Kourou, French Guiana.
- 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
4. Dead Sea is a shrinking Salt Lake (and lowest point on Earth) that extends into:
1. Jordan
 2. Syria
 3. Israel
- 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
5. Which of the following are among the challenges of using Hydrogen as a fuel?
1. It is expensive.
 2. It is difficult to store.
 3. It has the lowest energy per mass of any fuel.
- 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
6. Which of the following countries are involved in the Birds 3 project?
1. Sri Lanka
 2. Pakistan
 3. Bhutan
 4. Nepal
 5. Bangladesh
- Select the correct answer using the code given below:
- (a) 1, 3 and 4 only (b) 2, 3 and 5 only
(c) 1, 2, 3 and 5 only (d) All of the above
7. PSLV-C45 mission of Indian Space Research Organisation was unique in several ways such as:
1. It was a new variant of PSLV with four strap-on motors.
 2. The vehicle achieved three different orbits.
 3. For the first time the fourth stage (PS4) stage is powered by solar panels.
- 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
8. Consider the following statements about the EMISAT satellite:
1. It is a satellite built around ISRO's Mini Satellite-2 bus.
 2. It is India's first electronic surveillance satellite.
 3. It can provide location and information of hostile radars placed at the borders.
- 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 could be the applications of 'Optical Tweezers'?
1. Confinement and organization of cells.
 2. Tracking of movement of bacteria.
 3. Application and measurement of small forces.
 4. Altering of cell membranes.
- 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. Consider the following statements:
1. Mitra Shakti is a joint training exercise conducted annually between the Indian Navy and the Sri Lankan Navy.
 2. The primary focus of the exercise is to train and equip the contingents to undertake joint counter insurgency and counter terrorist operations under the United Nations flag.
- 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

11. Consider the following statements about 'Nirbhay':

1. It is a two- stage ballistic missile and is similar to U.S. Tomahawk cruise missile.
2. It is capable of loitering and cruising at the speed of sound at altitude as low as 100 metres.

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

12. Which of the following countries were affected by the cyclone Idai?

1. Madagascar
2. Mozambique
3. Morocco
4. Malawi

Select the correct answer using the code given below:

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

13. Base Erosion and Profit Shifting (BEPS) Project is concerned with:

- (a) Inclusion of environmental cost in calculating profits of Industries.
- (b) Protectionist policies of the developed countries.
- (c) Depreciation of the currencies of developing countries due to compulsory imports.
- (d) Artificially shifting of profits by MNCs to low or no-tax locations.

14. Consider the following statements about the International Solar Alliance (ISA):

1. It has been jointly launched by India and Germany.
2. It was launched on the side lines of the United Nations Framework Convention on Climate Change (UNFCCC) Conference of Parties 21 (CoP21) at Paris.
3. Most of its member countries fall within Asia, Africa and South America.

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

15. Consider the following statements about the Periyar River:

1. It flows into Vembanad Lake before entering into the Arabian Sea.
2. It is one of the few perennial rivers in the region.
3. It is the longest river of Kerala.
4. It flows through Kerala and Tamil Nadu.

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

16. Which of the following aggravated the destruction caused by floods in Kerala in recent months?

1. Kerala has lost a massive amount of natural forests and wetland to agriculture, plantation and infrastructure development.
2. Land used for non-agricultural purposes (mostly for housing and infrastructure) has more than doubled in the last 50 years.
3. Traditional crops like rice and tapioca have been replaced with plantations of rubber and other commercial crops.

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

17. According to the Global Skills Index, 2019 Report India was lagging in which of the following 'future skills' assessed by the report?

1. Technology domain
2. Business domain
3. Data science domain

Select the correct answer using the code given below:

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

18. The GST's 'anti-profiteering' clause refers to

- (a) The centre should transfer the above average collections to those States who might receive lesser collections after the implementation of the new regime.
- (b) Businesses that receive the benefit of paying lower taxes under the GST must pass it on to the consumers.
- (c) A greater part of the profit after the implementation of the regime should go to the corporate social responsibility fund.
- (d) A limit on the profit-margin of the companies under the new regime.

19. Which of the following reports/indices are published by the World Economic Forum?

1. Global Competitiveness Report
2. Environmental Performance Index
3. World Economic Outlook
4. Inclusive Growth and Development Index

Select the correct answer using the code given below:

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

20. Consider the following statements about the National Innovation Foundation-India (NIFI):

1. It was set up in March 2000 with the assistance of National Innovation Council.
2. Among others, it supports outstanding traditional knowledge based applications in any technological field, helping in human survival without any help from formal sector.

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

21. Consider the following statements about Gynandromorphs:

1. They have both genetically male and female tissues.
2. They often have observable male and female characteristics.
3. They are mostly limited to the species of birds and butterflies.

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

- 22.** Consider the following statements:
1. Hydrogen has the highest energy per mass of any available fuel.
 2. Hydrogen has a very high ambient temperature density resulting in high energy per unit volume.
- 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
- 23.** Consider the following statements about the Trade Receivable e-Discounting System:
1. It is an online mechanism for facilitating the financing of trade receivables of MSMEs through multiple financiers.
 2. It enables discounting of invoices of MSME sellers raised against large corporate, allowing them to reduce working capital needs.
- 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
- 24.** The presence of which of the following metals beyond a threshold make e-waste hazardous in nature?
1. Mercury
 2. Uranium
 3. Arsenic
 4. Selenium
- 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
- 25.** Consider the following statements about 'Reporters Without Borders':
1. It is registered as a non-profit organization.
 2. It has consultant status at the United Nations and UNESCO.
 3. It publishes the World Press Freedom Index each year.
- 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
- 26.** Tribunals in India can be established for adjudication of disputes related to:
1. Taxation
 2. Foreign exchange
 3. Land reforms
 4. Elections to parliament and state legislature
- Select the correct answer using the code given below:
- (a) 1, 2 and 3 only (b) 2, 3 and 4 only
(c) 1, 2 and 4 only (d) All of the above
- 27.** Consider the following statements about the E-Waste Management Rules, 2018:
1. The new E-waste rules include Compact Fluorescent Lamp (CFL) and other mercury containing lamps.
 2. Unlike earlier Rules, collection of waste is now exclusively Producer's responsibility.
 3. The Central Pollution Control Board (CPCB) has been given the power to levy fines for non compliance.
- 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
- 28.** Which of the following statements are correct regarding the Securities and Exchange Board of India (SEBI)?
1. It has quasi-legislative functions.
 2. It has quasi-judicial functions.
 3. It has quasi-executive functions.
- 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
- 29.** Consider the following statements:
1. The hump-backed mahseer is found only in the Cauvery river basin of Tamil Nadu, Kerala, Karnataka.
 2. The hump-backed mahseer is "Critically Endangered as per the International Union for Conservation of Nature's (IUCN) Red List of Threatened Species.
- 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
- 30.** Consider the following statements about 'Pheromone Traps':
1. Each pheromone is designed for a specific insect.
 2. They can be used to detect an infestation before it occurs.
 3. Lures need to be replaced often to better trap new insects.
- 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
- 31.** Consider the following statements:
1. Hydrogen is the most abundant element in the universe.
 2. The sun and other stars are composed largely of hydrogen.
 3. Water is the most abundant compound of hydrogen found on earth.
- 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
- 32.** The Battle of Kangla Tongbi is famous in the context of:
- (a) Revolt of 1857 (b) First World War
(c) Second World War (d) Indo-Pak war of 1971
- 33.** For any political party to be eligible for recognition as a State Party in a state, it has to satisfy which of the following conditions?
1. Secure at least 6% of the valid vote & win at least 2 seats in an Assembly General Election.
 2. Secure at least 6% of the valid vote & win at least 1 seats in a Lok Sabha General Election.
 3. Win at least 3% of the seats or at least 3 seats, whichever is more, in an Assembly General Election.
- Select the correct answer using the code given below:
- (a) 1 and 2 only (b) 2 and 3 only
(c) All of the above (d) Any one of the above
- 34.** Consider the following statements:
1. Under article 370, the provisions of the Indian Constitution automatically applies to J&K.

2. To extend constitutional provisions and amendments to the State, a presidential order to that effect has to be passed.

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

35. Consider the following statements about the All India Muslim League:

1. It was a political party established in 1906 in the British Indian Empire.
2. The party arose out of a literary movement begun at the Aligarh Muslim University in which Syed Ahmad Khan was a central figure.
3. It strongly advocated for the establishment of Pakistan, after the acceptance of 'Two-nation theory' by MA Jinnah in 1940 Lahore resolution.

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

36. Who among the following were members of an investigation committee named Hunter Committee that was constituted to investigate the developments leading to the Jallianwala Bagh Massacre?

1. Sir Chimanlal Harilal Setalvad
2. Pandit Jagat Narayan
3. Sardar Sahibzada Sultan Ahmad Khan
4. Mahatma Gandhi

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

37. Which of the following were among the effects of the Jallianwala Bagh Massacre?

1. It was the prelude to Mahatma Gandhi's full commitment to the cause of Indian nationalism and independence from Britain.
2. Mahatma Gandhi, as a sign of condemnation, renounced this Kaiser-i-Hind medal.
3. In 1920, the infamous Rowlett Act was repealed by the British.

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

38. Candida auris, which was recently in news, is:

- (a) A new species of micro-organism which can degrade oil.
- (b) A drug-resistant fungus that spreads in healthcare facilities.
- (c) A phenomenon related to earth's ionosphere which occurred over Poles recently.
- (d) A species of insect spreading across the continents.

39. Which among the following are characteristic features of the French Gothic Architecture?

1. Secularism
2. Verticality
3. Pointed arch
4. Lighter walls

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

40. Environmental DNA (eDNA) can be extracted from:

1. Cooked meat
2. Faeces
3. Water and soil

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

41. Which of the following statements are true regarding the functions of 'gargoyles' in the French Gothic Architecture?

1. These little monsters were spouts for rainwater to drain from the roofs.
2. They were there to create fear of evil among the superstitious population.

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

42. The second edition of Rabindranath Tagore Literary Prize was awarded to:

1. Rana Dasgupta
2. Yohei Sasakawa
3. Tsai Ing-wen
4. Arundhati Roy

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

43. Rabindranath Tagore Literary Prize has been established:

1. To award the finest in Indian literature with Literature Prize, as honourable legacy to Rabindranath Tagore.
2. To recognize positive and lasting impact on society and its change with our Social Achievement Prize.

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

44. Consider the following statements about the Saraswati Samman, 2018:

1. It is the highest recognition in the field of Indian literature.
2. It is awarded every year by the President of India on Republic Day.

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

45. Consider the following statements about Stonehenge:

1. It is a prehistoric stone circle monument, cemetery, and archaeological site located on Salisbury Plain, England.
2. It was built in stages during the transition from the Neolithic Period (New Stone Age) to the Bronze Age.
3. It is designated a UNESCO World Heritage site.

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

46. Consider the following statements:

1. While H1N1 is swine flu, H5N1 is an avian influenza.
2. H5N1 does not infect humans easily and it is difficult to transmit the infection from person to person.
3. Both H1N1 and H5N1 are caused by viruses.

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

47. Consider the following statements about the Environmental DNA (eDNA):

1. eDNA can be extracted from water, soil or faeces, without first isolating any target organisms.
2. eDNA encompasses single species detection to analyses of ecosystems.
3. eDNA can be obtained from ancient as well as modern samples.

Select the correct answer using the codes given below:

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

48. Hydrogen fuel can be produced through which of the following methods?

1. Reforming
2. Electrolysis of water
3. Some algae and bacteria using sunlight

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

49. The drying out of Santiago's Aculeo Lake is attributed to which of the following reasons?

1. Earthquake
2. Climate change
3. Overconsumption

Select the correct answer using the code given below:

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

50. Which of the following characteristics of Fall Armyworm (FAW) make their eradication extremely difficult?

1. It is a nocturnal pest.
2. It is very polyphagous.
3. It is very mobile.

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

51. Consider the following statements about the satellite 'Raavana-1':

1. It was Sri Lanka's first satellite that was launched into space recently.
2. It was launched with the help of China National Space Administration.

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

52. Which of the following have been correctly matched?

Major Countries	Hydrogen Programme
1. Japan	— Plans to spend \$20 billion by 2020.
2. Germany	— Largest number of demonstration of hydrogen based applications.
3. Iceland	— Plans to be world's first hydrogen economy.
4. USA	— Hydrogen Freedom Fuel Initiative.

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

53. Consider the following statements:

1. Hydrogen can be used as fuel in rockets as it is three times as powerful as gasoline and other fossil fuels.
2. It is possible to use hydrogen directly in internal combustion engines.
3. Hydrogen up to 20% (by volume) can be blended with compressed natural gas (CNG) for use as an automotive fuel.

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

54. Which of the following could be the risks of staying for extended periods of time in space?

1. Bones lose minerals.
2. Kidney stones.
3. Vision problems.

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

55. Which of the following is considered to be the first molecule that formed almost 14 billion years ago following the Big Bang?

- (a) Hydride ion (b) Helium hydride ion
(c) Hydroxide ion (d) Hydronium ion

56. Consider the following statements about SOFIA, the Stratospheric Observatory for Infrared Astronomy:

1. It is a Boeing 747SP aircraft modified to carry a 2.7-meter reflecting telescope.
2. It observes the universe above 99 percent of Earth's infrared-blocking atmosphere.
3. It is a partnership between NASA and the German Aerospace Center (DLR).

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

57. Consider the following statements:

1. Haemophilia is an inherited bleeding disorder.
2. The blood doesn't clot properly as a result of this disorder.
3. There is no known cure for Haemophilia.

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

58. Consider the following statements:

1. The sex of an individual is determined by a pair of "sex chromosomes".
2. Females are identified with an XY pair of sex chromosomes, and males with an XX pair.

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

59. Consider the following statements:

1. A genome is all of a living thing's genetic material.
2. Each one of earth's species has its own distinctive genome.
3. Genomes not only belong to species, but they also belong to individuals.

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

60. Which of the following are advantages of the genome sequencing?

1. To find genes much more easily and quickly.
2. To understand how the genome as a whole works.
3. To study the parts of the genome outside the genes.

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

61. Which of the following correctly defines the term "nonsense" or "junk" DNA?

- (a) DNA which regulates our emotions.
- (b) DNA which is responsible for the regulation of excretory system
- (c) DNA which helps the immune system to throw out the dead cells out of the system.
- (d) DNA which we don't yet know what, if anything, it does.

62. Consider the following statements:

1. Microplastics are tiny pieces of plastic material typically smaller than five millimetres.
2. The Microbead-Free Waters Act of 2015 has been passed by Norway.

Select the correct answer using the codes given below:

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

63. The 'H' and 'N' in H1N1 influenza represent:

- (a) Viruses
- (b) Proteins
- (c) Bacteria
- (d) Varieties of pigs/birds

64. The environmental DNA approach has many advantages over traditional surveying methods, such as:

1. To distinguish individuals of the same species.

2. Less risk of spreading disease.

3. Less risk of introducing alien species.

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

65. Consider the following statements:

1. Black Softshell turtle has been declared extinct in the wild by the IUCN Red list.
2. This species is only known to exist in artificial ponds in temples in India.

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

66. Consider the following statements about the Notre-Dame Cathedral:

1. It houses the Holy Crown of Thorns, believed to have been worn by Jesus at his crucifixion.
2. Napoleon Bonaparte crowned himself Emperor at Notre-Dame.
3. Notre-Dame is widely considered to be one of the finest examples of French Gothic architecture.

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

67. Which of the following are among the limitations of environmental DNA approach?

1. It is not possible to distinguish individuals of the same species.
2. It is not possible to acquire information such as the number of individuals present on a site, their age, class, size, sex, etc.
3. The identification of hybrids is very difficult with this approach.

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

68. The 'chain-melted state' is a new state of matter discovered by the scientists which allows atoms to exist as:

- (a) Solid and liquid at the same time.
- (b) Liquid and gas at the same time.
- (c) Gas and solid at the same time.
- (d) Solid, liquid and gas at the same time.

69. Consider the following statements about 'Space Debris':

1. Space debris encompasses both natural and artificial particles.
2. Natural particles are in orbit about the sun, while most artificial debris is in orbit about the Earth.
3. Much of the debris is in low Earth orbit, within 300 km of Earth's surface.

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

70. The Sun and the stars glow because of the presence of which of the following states of matter:
- Chain-melted state
 - Plasma
 - Bose-Einstein Condensate
 - Nuclear fission

71. Who among the following assassinated Michael Francis O'Dwyer, the Lieutenant Governor of the Punjab in India from 1912 until 1919, who endorsed Colonel Reginald Dyer's action regarding the Amritsar massacre and termed it a "correct action"?

- Bhagat Singh
- Ram Prasad Bismil
- Udham Singh
- Bhagwati Charan Vohra

72. Candida auris is "an emerging fungus (yeast) that presents a serious global health threat" because:

- It causes serious infections.
- It's often resistant to medicines.
- It can spread in hospitals and nursing homes.
- It's difficult to identify.

Select the correct answer using the code given below:

- 1, 2 and 3 only
- 2, 3 and 4 only
- 1, 3 and 4 only
- All of the above

73. Consider the following statements about the Severe Combined Immunodeficiency Syndrome (SCID):

- It is a group of inherited disorders.
- It reduces the ability of white cells in the blood to fight infection.
- This disease can't be cured.

Select the correct answer using the code given below:

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- All of the above

74. Which of the following satellites have been launched for "strategic use"?

- HysIS
- Microsat-R
- EMISAT

Select the correct answer using the code given below:

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- All of the above

75. The images from which of the following satellites were used to plan the surgical strike in 2016 and the air strike on a Jaish camp in Pakistan's Balakot this year?

- HysIS
- Microsat-R
- Cartosat
- RISAT

76. Recently, the 77th and 103rd constitutional amendments were extended to Jammu and Kashmir (J&K) by a presidential order, with the concurrence of the J&K Governor. Consider the following statements in this context:

- 77th constitutional amendment: It is related to special provisions for the advancement of economically weaker sections (10% reservation in education and government jobs to EWS).
- 103rd constitutional amendment: It is related to reservations in promotions for Scheduled Castes (SCs) and Scheduled Tribes (STs) in the State services.

Select the correct answer using the code given below:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

77. When the State of Jammu and Kashmir acceded to India via the Instrument of Accession in 1947, which of the following subjects handed over to the Union Government.

- Defence
- Foreign Affairs
- Finance
- Communications

Select the correct answer using the code given below:

- 1, 2 and 3 only
- 2, 3 and 4 only
- 1, 2 and 4 only
- All of the above

78. For any political party to be eligible for recognition as a National Party, it has to satisfy which of the following conditions?

- Secure at least 6% of the valid vote in an Assembly or a Lok Sabha General Election in any four or more states and won at least 4 seats in a Lok Sabha General Election from any State or States.
- Win at least 2% of the total Lok Sabha seats in a Lok Sabha General Election and these seats have to be won from at least 3 states.
- The party is recognized as a State Party in at least four states.

Select the correct answer using the code given below:

- 1 and 2 only
- 2 and 3 only
- All of the above
- Any one of the above

79. As per the Drugs and Clinical Trials Rules 2019, the requirement of a local clinical trial may be waived for approval of a new drug if it is approved and marketed in which of the following countries?

- U.S.
- U.K.
- Australia
- Japan

Select the correct answer using the code given below:

- 1, 2 and 3 only
- 2, 3 and 4 only
- 1, 2 and 4 only
- All of the above

80. Consider the following statements regarding the right to self-defence in Indian context:

- The right of private defence extends not only to the defence of one's own body against any offence affecting the human body but also to defend the body of any other person.
- The right to self-defence embraces the protection of property, whether one's own or another person's, against certain specified offences, namely, theft, robbery, mischief and criminal trespass.

Select the correct answer using the code given below:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

81. Consider the following statements about the World Press Freedom Index, 2018:

- Reporters Without Borders (RSF) publishes the World Press Freedom Index each year.
- It measures the level of freedom available to journalists and the quality of journalism.
- India was ranked 138 in the 2018 Index.

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

82. Arrange the following States in India in decreasing order of the e-waste they generate:

1. Maharashtra 2. Tamil Nadu
3. Karnataka 4. Gujarat

Select the correct answer using the code given below:

- (a) $1 > 2 > 3 > 4$ (b) $2 > 3 > 1 > 4$
(c) $3 > 4 > 2 > 1$ (d) $3 > 2 > 1 > 4$

83. Consider the following statements regarding the tribunals in India:

1. Tribunal is an administrative body established for the purpose of discharging quasi-judicial duties.
2. Tribunals are courts because like courts they are governed by strict procedure defined in various Codes.

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

84. Which of the following is the first State to come up with a separate e-waste policy in the country and the policy of collection of electronic waste by community-based organizations (CBOs)?

- (a) Maharashtra (b) Tamil Nadu
(c) Karnataka (d) Gujarat

85. Consider the following statements:

1. Tashigang in Jammu and Kashmir is world's highest polling station.
2. It is one of the assembly segments that form the second largest Lok Sabha constituency in India.

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

86. The sense which allows an organism to detect a magnetic field to perceive direction, altitude or location is present in:

1. Bats 2. Honey bee
3. Roundworm 4. Chicken

Select the correct answer using the code given below:

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

87. The latest Railway zone of India is headquartered at:

- (a) Shilong (b) Visakhapatnam
(c) Leh (d) Amritsar

88. Which of the following have been correctly matched?

Exercise Name

Participants

- | | |
|-----------------|--------------------|
| 1. Ekuverin | — India & Maldives |
| 2. Mitra Shakti | — India & U.K. |
| 3. Shakti | — India & France |
| 4. Yudh Abhyas | — India & USA |

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

89. Which of the following are Anti-Submarine Warfare corvette of Indian Navy?

1. INS Kalvari 2. INS Kandheri
3. INS Kadmat

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

90. Consider the following statements:

1. Mission Shakti led India to join a select group of countries consisting of US, Russia and France.
2. The missile used in Mission Shakti was a modified version of Ballistic Missile Defence (BMD) Interceptor Missile of DRDO.

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

91. Consider the following statements about the 'Plasma' state of matter:

1. The state consists of super energetic and super excited particles in the form of ionised gases.
2. The fluorescent tube and neon sign bulbs consist of plasma.
3. Gases get ionised when electrical energy flows through it.

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

92. Consider the following statements about PSLV-C45 mission:

1. India's Polar Satellite Launch Vehicle (PSLV-C45) successfully launched EMISAT and 29 international customer satellites.
2. This flight marked the first mission of PSLV-QL, a new variant of PSLV with four strap-on motors.
3. It was the 47th flight of the Polar Satellite Launch Vehicle.

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

93. Consider the following statements about the Shola forests of India:

1. These are tropical montane forests found in the valleys separated by rolling grasslands only in the higher elevations.
2. These are found only in the Southern Western Ghats.
3. These forests particularly thrive in areas having abundant fog and mist.

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

94. Consider the following statements about 'Eurasian Lynx':

1. It is highly adapted to the thin air atmosphere of mountainous regions.
2. It can be found in Ladakh region of India.
3. It is the smallest species of lynx.

