

1. With reference to the recently released 'World Press Freedom Index', consider the following statements:
 1. It has been published by Reporters Without Borders annually since 1972.
 2. India improved its rank in 2024 in comparison to 2023.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only**
- C. Both 1 and 2
- D. Neither 1 nor 2

2. Consider the following statements:
 1. Species richness is a measure of the relative abundance of the species within a community.
 2. Species abundance is the number of diverse species in an area or a community.

Which of the statements given above is/are not correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2**
- D. Neither 1 nor 2

3. Consider the following statements:
 1. The National Building Code, published by the Bureau of Indian Standards, serves as the central standard for fire safety in India.
 2. Fire service is a State subject.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2**
- D. Neither 1 nor 2

4. Consider the following statements with reference to the Banni grasslands:

1. It is a Reserved forest land under the Indian Forest Act, 1927
2. It was a natural habitat of cheetah before it became extinct in India
3. Prosopis Juliflora species covers nearly 30 per cent of the grassland

Which of the statements given above are correct?

- A. 1 and 3 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3**

5. Consider the following statements with respect to Biological oxygen demand (BOD):
 1. Biological oxygen demand is the standard criteria for computing oxygen levels in aquatic ecosystems.
 2. Higher the BOD, higher the water quality.
 3. It is the most accurate method to measure the quality of water.

Which of the statements given above is/are correct?

- A. 1 only**
- B. 2 only
- C. 3 only
- D. 1, 2 and 3

6. Consider the following statements in respect to Dark Fiber:
 1. Dark fiber is unused optical fiber that has been laid but is not currently being used in fiber-optic communications.
 2. It can be installed beneath Land and Ocean.
 3. It offers secured network flow and separation from other network traffic.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 1 and 3 only

- C. 3 only
D. 1, 2 and 3

- C. 2 and 3 only
D. 1, 2 and 3

7. Which of the following best describes the recent "Bletchley Declaration" seen in the news?
- Formulating a strategy to accelerate the achievement of Sustainable Development Goals
 - Implementing regulations for Artificial Intelligence**
 - Creating a framework for restructuring the United Nations Security Council
 - Proposing a recovery plan for the European Union

8. Consider the following pairs:

	Protected Area	Located in
1	Ranganathittu	Telangana
2	Thinungei	Tripura
3	Kamasandra	Karnataka
4	Nanjarayan	Andhra Pradesh

How many pairs given above is/are correctly matched?

- A. **Only one pair**
B. Only two pairs
C. Only three pairs
D. All four pairs

9. Consider the following statements with reference to the Kuno Palpur National Park:
- It is very close to the Sal forests of Chhattisgarh.
 - It has one of the most unique combination of forest and vegetation in the entire Madhya Pradesh making it the most suitable location for reintroduction of Cat species in India.
 - It is a natural habitat for leopards in India.

Which of the statements given above is/are correct?

- A. 1 and 3 only
B. 2 only

10. With reference to the Smart Cities Mission, consider the following statements:

- It is an initiative of the Union Housing and Urban Affairs Ministry, launched in 2015.
- 150 cities have been selected to be developed as Smart Cities through a two-stage competition for five years.
- The Mission is operated as a Central Sector Scheme.

How many of the statements given above are correct?

- A. **Only one**
B. Only two
C. All three
D. None

11. Which of the following statements are correct with reference to the Agro-biodiversity Hotspots of India?

- Totally there are 30 Agro-biodiversity Hotspots in India.
- Eastern Himalayan Hotspot covers all the districts of Arunachal Pradesh and Sikkim
- Both Andaman and Nicobar Islands and Lakshadweep are covered under the Islands Hotspot

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. 1, 2 and 3

12. "Hermit" recently seen in media related to:

- A. **Spyware that targets iPhones and Android devices**
B. Indigenous missile system developed by DRDO

- C. Newly detected black hole which is at least nine times the mass of our sun
- D. Vulture Species found in the North-East Indian region

13. Which one of the following international organisations recently suggested that Earth Observation (EO) data could add up to \$3.8 trillion to the Global GDP by 2030?
- A. National Aeronautics and Space Administration (NASA)
 - B. United Nations Committee on the Peaceful Uses of Outer Space (COPUOS)
 - C. World Economic Forum (WEF)**
 - D. Indian Space Research Organisation (ISRO)

14. Consider the following statements:
1. Seagrass meadows are found all around the world including the polar regions
 2. A total of 14 species of seagrasses are reported in Indian waters
 3. Lakshadweep islands harbour the maximum number of species in India

Which of the statements given above is/are correct?

- A. 2 only**
- B. 1 and 2 only
- C. 1 and 3 only
- D. 1, 2 and 3

15. Which of the following causes threat to coral reefs and their biodiversity?
1. Cyanide fishing
 2. Black-band disease
 3. Fishing and tourist boats
 4. Sedimentation

Select the correct answer using the code given below:

- A. 1, 2 and 3 only
- B. 1 and 2 only
- C. 3 and 4 only

D. 1, 2, 3 and 4

16. Consider the following statements with reference to 'legacy waste' :
1. It refers to old municipal solid waste in landfills or dumpsites.
 2. The term 'legacy waste' has been defined in the Solid Waste Management Rules, 2016

Which of the statements given above is/are correct?

- A. 1 only**
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

17. Which of the following statements about the Vibrant Village Programme is/are correct?

- A. The programme focuses on developing infrastructure and creating livelihood opportunities in border villages along the Line of Actual Control (LAC).**
- B. It is a Centrally Sector Scheme.
- C. The Vibrant Village Programme replaced the Border Area Development Programme (BADP).
- D. None of the above

18. Consider the following statements:
1. World Environment Day on 5 June, led by UNEP and held annually since 1973.
 2. UNEP is the first international organization headquartered in the global South.
 3. The theme of World Environment Day 2022 is "Ecosystem Restoration".

Which of the statements given above are correct?

- A. 1 and 2 only**
- B. 2 and 3 only

- C. 1 and 3 only
- D. 1, 2 and 3

19. Consider the following statements:

1. An ecological footprint measures the amount of biologically productive area of the earth needed to produce the required resources as well as to absorb the wastes produced from such resources use.
2. Ecological deficit is when a country's biocapacity is greater than its population's Ecological Footprint.
3. If the entire planet is running an ecological deficit, it is termed as "overshoot."

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. 1 and 3 only**
- D. 1, 2 and 3

20. Which of the following are invasive alien species in India ?

1. Carrot grass
2. Argemone
3. Lantana
4. Mimosa pigra
5. Opuntia
6. Cynodon
7. Water hyacinth
8. Gulmohar

Select the correct answer from the code given below :

- A. 3, 5, 6, 7 and 8 only
- B. 1, 2, 3, 4, 5 and 7 only**
- C. 2, 4, 6 and 8 only
- D. 1, 2, 3, 4, 5, 6, 7 and 8

21. Recently, the country's first 'Dugong Conservation Reserve' has been notified in Tamil Nadu. Which of the following statements are correct with reference to Dugong?

1. Dugongs are protected under Schedule I of the Wild Life (Protection) Act, 1972 and Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
2. In India, they are seen only in the Gulf of Mannar.
3. Dugongs are listed as endangered on the IUCN Red List of Threatened Species.
4. They are herbivorous mammal with weigh about 300 kilograms.

Select the correct answer using the code given below:

- A. 1, 2 and 3 only
- B. 1 and 4 only**
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

22. Consider the following statements about Antarctic Treaty:

1. The Antarctic Treaty was signed in 1959 and entered into force in 1961.
2. The Antarctic Treaty allows for the exploitation of natural resources such as minerals and oil in Antarctica.
3. India became a party to the Treaty in 1983.

Which of the given above statements is/are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only**
- D. 1, 2 and 3

23. Which of the following is/are the possible effects of Stubble Burning ?

1. Formation of smog
2. Loss of soil microbes
3. Loss of soil moisture
4. Loss in soil nutrients
5. Increase in soil erosion

Select the correct answer using the code given below:

- A. 1, 2, 3 and 4 only
- B. 1, 2 and 5 only
- C. 3, 4 and 5 only
- D. 1, 2, 3, 4 and 5**

24. Consider the following statements about Fishing cats:

1. World's first fishing cat census was held at Chilika Lake.
2. Habitat of fishing cat is primarily in wetland and mangrove habitats.
3. They are classified as Endangered under IUCN Red List of Threatened Species.
4. It is also considered to be the State Animal of Odisha.

Which of the statements given above are correct?

- A. 1 and 2**
- B. 1, 2 and 4
- C. 2, 3 and 4
- D. 1 and 3

25. Which of the following indicates Biomagnification in the environment?

1. Death of vulture due to kidney failure
2. Residue of pesticides in the milk of lactating mothers
3. Imbalance in calcium metabolism and thinning of eggshells of birds
4. Numbness in the feet and hand of human beings due to mercury poisoning

Select the correct answer using the code given below

- A. 1 only
- B. 1, 2 and 3 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4**

26. Consider the following statements with reference to the Conservation Reserves:

1. Conservation Reserves were first introduced in 2002 under the Environment Protection Act of 1986.
2. Jammu and Kashmir has the highest number of Conservation Reserves in India.
3. In India, more than half of the States/UT have at least one Conservation Reserve.

Which of the statements given above is/are correct?

- A. 2 and 3 only
- B. 1 and 3 only
- C. 2 only**
- D. 1, 2 and 3

27. With reference to Aquamation burial method, consider the following statements:

1. Aquamation is the combined process of water, temperature and alkalinity.
2. It is a flameless cremation method as it uses water.
3. It is same as burial but done with chemical mixture.
4. Body tissue and DNA are completely burnt in the process.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 2, 3 and 4 only
- C. 3 and 4 only
- D. 1, 2, 3 and 4**

28. With reference to the Booker Prize, consider the following statements:

1. Founded in 1969, it is open to anyone regardless of origin.
2. Arundhati Roy and Aravind Adiga are the only Indian-origin writers who have won this prize in the past.

Which of the statements given above is/are correct?

- A. 1 only**

- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

29. Consider the following pairs:

Pollutant	Health effects
1 Nitrogen Oxides	Inflammation of lungs
2 Carbon Monoxide	Limits assimilation of Oxygen
3 Mercury	Gingivitis
4 Lead	Damage to kidneys

How many pairs given above is/are correctly matched?

- A. Only one pair
- B. Only two pairs
- C. Only three pairs
- D. All four pairs**

30. Consider the following statements:

1. Niche is the sum of all the activities and relationships of a species by which it uses the resources in its habitat for its survival and reproduction
2. Species can only develop limited niche in an ecosystem

Which of the statements given above is/are correct?

- A. 1 only**
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

31. With reference to the AMRUT (Atal Mission for Rejuvenation and Urban Transformation) scheme, consider the following statements:

1. It was launched to ensure that every household has access to a tap with assured supply of water and a sewerage connection.
2. AMRUT 2.0 is aimed at making cities 'water secure' and providing functional water tap connections to all households in all statutory towns.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2**
- D. Neither 1 nor 2

32. Aegean dispute recently seen in news related is between

- A. United Kingdom and Argentina
- B. Greece and Turkey**
- C. Ukraine and Bulgaria
- D. France and Spain

33. Consider the following statements:

1. In India, anyone can undertake cultivation and business in bamboo and its products.
2. Bamboo can be propagated by Rhizome, shoots and seeds.
3. Madhya Pradesh is the largest bamboo bearing state in India.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 2 only
- D. 1, 2 and 3**

34. Regional Economic Outlook for Asia and Pacific report, recently seen in the news is released by:

- A. World Economic Forum (WEF)
- B. International Monetary Fund (IMF)**
- C. World Trade Organization (WTO)
- D. World Bank (WB)

35. Consider the following statements with reference to Black carbon emissions

1. Black carbon is the key component of fine (Particulate Matter) PM10 air pollution
2. It is a long-lived climate pollutant with a lifetime of few years
3. Transport account for the most the of global black carbon emissions

4. In India, the Indo-Gangetic plain has a high burden of black carbon

How many statements given above is/are correct?

- A. Only one statement**
 B. Only two statements
 C. Only three statements
 D. All four statements

36. With reference to Forest Rights Act (FRA) in India, consider the following statements:

1. Under FRA, State Government can declare that persons holding Government jobs shall not be eligible as 'Other Traditional Forest Dwellers'.
2. It provides community rights to tribal and other forest dwellers living in forests for three generations.
3. FRA is applicable in National Parks, Wildlife Sanctuaries, and Tiger Reserves.
4. It defines critical wildlife habitats as areas that are "required to be kept inviolate for the purposes of wildlife conservation".

Which of the statements given above are correct?

- A. 1 and 2 only
B. 2, 3 and 4 only
 C. 1, 2 and 3 only
 D. 3 and 4 only

37. Consider the following statements with reference to "Nonylphenol (NEP)" which sometimes seen in news recently

1. It is a chemical present in detergents
2. At present, there are no standards exclusively for nonylphenols in drinking and surface waters in India
3. It does not bio-accumulate and enter into food chain.

Which of the statements given above is/are correct?

- A. 1 only
B. 1 and 2 only
 C. 2 and 3 only
 D. 1, 2 and 3

38. The recent initiative by the White House to establish Coordinated Lunar Time (LTC) is primarily driven by the need for:

- A. Standardizing time zones across different countries on Earth.
B. Precise timekeeping for missions and operations on the Moon.
 C. Facilitating communication between space agencies worldwide.
 D. Coordinating global efforts in space exploration and resource extraction.

39. Consider the following statements with respect to Genetic Diversity:

1. Genetic diversity within a species will increase with the increasing number of individuals in a given species.
2. An ecosystem having higher diversity can be resilient to Pollution and Climate change.
3. In terms of sheer number alone, insects and micro-organisms are the most abundant life forms on earth.

Which of the statements given above is/are correct?

- A. 1 only
 B. 1 and 2 only
 C. 2 and 3 only
D. 1, 2 and 3

40. Consider the following

1. Bhima basin
2. Aravallis
3. Mahadek basin
4. Singhbhum belt
5. Cuddapah basin

Which of the above are major uranium provinces in India?

A. 2 and 5 only

B. 1,3,4 and 5

C. 4 and 5 only

D. 1, 2, 3, 4 and 5

41. Why do tropical regions have more diversity of flora and fauna than temperate regions?

1. Species having longer time to evolve

2. Higher sun's angle of incidence

3. Less seasonal variation

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. 1, 2 and 3

42. Which of the following statements is/are true?

1. Speciation is the formation of new distinct species during the process of evolution.

2. Facultative mutualists are ones whose populations go extinct in the absence of a mutualist.

3. Adaptation is the coordinated phenotypic response developed by an animal to a specific genotype only.

Select the correct answer from the code given below

A. 1 only

B. 2 only

C. 1 and 3 only

D. 1, 2 and 3

43. With reference to the International Solar Alliance (ISA), consider the following statements:

1. The ISA was jointly launched by India and France in 2015 on the sidelines of COP-21 of the United Nations Framework Convention on Climate Change (UNFCCC) in Paris.

2. The ISA was officially established in 2017.

3. With the amendment of the ISA Framework Agreement in 2020, only the countries that lie between the Tropics of Cancer and Capricorn are eligible to join the ISA.

Which of the statements given above is/are correct?

A. 1 and 2 only

B. 2 and 3 only

C. 1 and 3 only

D. 1, 2, and 3

44. In the context of biotechnology developments, which among the following are the applications of Nanozymes?

1. Destruction multi-drug resistant bacteria

2. Detecting ions, molecules and organic compounds

3. Detection and treatment of environmental pollutants

Select the correct answer using the code given below

A. 1 only

B. 2 and 3 only

C. 3 only

D. 1, 2 and 3

45. What is the exact meaning of the "Sea Snout"?

A. Spread of petroleum and oil on the sea surface

B. One of the types of sea sport famous in the oceanic region

C. Algal boom occurred on the sea surface

D. Occurrence of mass scale death of sea animals

46. With reference to the status and characteristics of startups in India, consider the following statements:

1. A startup is defined as an entity working towards innovation,

development, or improvement of products, processes, or services, or with a scalable business model.

2. A startup is an entity that must be less than 10 years old and have an annual turnover not exceeding Rs 100 crore.
3. As of March 2024, India has the largest startup ecosystem in the world with over 100 unicorns.

Which of the statements given above are correct?

- A. 1 and 2 only**
 B. 2 and 3 only
 C. 1 and 3 only
 D. 1, 2, and 3

47. Consider the following statements:

1. Alpha diversity is the diversity of habitats in the total landscape or geographical area.
2. Beta diversity is represented by the species diversity between any two patches and their communities.
3. Gamma diversity is a within community diversity that represents number of species in a given habitat.

Which of the statements given above is/are correct?

- A. 1 and 2 only
B. 2 only
 C. 1 and 3 only
 D. 3 only

48. Consider the following statements with reference to windfall tax:

1. It is a higher tax on gains that result from a sudden windfall gain to an industry.
2. Windfall tax cannot be levied on any individual.
3. In India Oil Industries may result in reduction of domestic production and rise in imports of Oil.

Which of the statements given above is/are correct?

- A. 1 only
 B. 2 only
C. 1 and 3 only
 D. 2 and 3 only

49. With reference to the BIMSTEC, which of the following statements is/are correct?

1. It is a regional organization, established with the signing of the New Delhi Declaration.
2. It is headquartered in Dhaka, Bangladesh.

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

50. Consider the following pairs:

	Wetlands	State
1	Pala wetland	Mizoram
2	Asan conservation reserve	UP
3	Rudra Sagar wetland	Rajasthan
4	Wembanur wetland complex	Tamil Nādu

How many pairs given above is/are correct?

- A. Only one pair
B. Only two pairs
 C. Only three pairs
 D. All the four pairs

51. Which among the following are the effects of Price Ceiling in Wheat Market ?

- A. Excess demand for wheat in the market
 B. Excess supply of wheat in the market
 C. Creating shortage of wheat
 D. Creation of black market

Select the correct answer using the code given below

- A. 1 and 4
- B. 2, 3 and 4
- C. 1, 3 and 4**
- D. 1, 2 and 3

52. Which one of the following is related to the 'PAHAL' scheme?

- A. LPG Subsidy**
- B. Digital Literacy
- C. Women Participation in the Armed Forces
- D. Ban on Single Use Plastics

53. Which of the following are the possible impacts of the Silt pollution?

- 1. Depletion of the size of the water body
- 2. Poor water quality
- 3. Road accidents
- 4. Decrease in dissolved oxygen
- 5. Death of aquatic plants and animals
- 6. Algal blooms

Select the correct answer using the code given below

- A. 1, 2, 3, 4 and 5 only
- B. 1, 3, 5 and 6 only
- C. 2, 4 and 6 only
- D. 1, 2, 3, 4, 5 and 6**

54. Consider the following statements with reference to the Namami Gange Programme?

- 1. It is a 100 percent Centrally funded programme.
- 2. The programme is supported by the World Bank and Japan International Cooperation Agency.
- 3. It aims to make open defecation-free gram panchayats on the banks of Ganga by 2020.
- 4. It aims to expand the coverage of sewerage infrastructure over 100

urban habitations on banks of Ganga.

Which of the statements given above are correct?

- A. 1 and 4 only
- B. 1, 2 and 4 only**
- C. 2 and 3 only
- D. 1, 3 and 4 only

55. With reference to the India-Middle East-Europe Economic Corridor (IMEC), which of the following statements is/are correct?

- 1. It aims to foster economic integration between Asia, the Arabian Gulf, and Europe.
- 2. IMEC will boost India's National Logistics Policy 2022.

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

56. Arrange the following process of decomposition of organic matter in the correct manner

- A. Leaching - Fragmentation – Humification – Catabolism - Mineralization
- B. Fragmentation – Leaching – Catabolism – Humification - Mineralisation**
- C. Leaching – Humification – Fragmentation – catabolism - Mineralisation
- D. Fragmentation – Humification – Leaching – Catabolism – Mineralisation

57. With reference to The Water Convention recently seen in news, consider the following statements

1. It is a legally binding convention which promotes Sustainable management of Shared water resources.
2. The Convention was originally negotiated as a regional framework for the pan-European region.
3. It does not differentiate the rights and obligations of Riparian parties whether they are located upstream or downstream.
4. India has signed and ratified the convention in 1995.

Which of the statements given above are correct?

- A. 1, 2 and 4
- B. 2, 3 and 4
- C. 1, 3 and 4
- D. 1, 2 and 3**

58. With reference to India's area under the Forest consider the following statement

1. India recorded a gain in the total forest and tree cover as compared to the last assessment.
2. Arunachal Pradesh has maximum forest cover as a percentage of the total geographical area.
3. Maximum increase in the total forest cover is recorded in Telangana.

Which of the statements given above is/are correct?

- A. 1 only**
- B. 2 and 3 only
- C. 1 and 3 only
- D. 2 only

59. Consider the following statements with reference to the Commission for Air Quality Management in the National Capital Region and Adjoining Areas:

1. It is created as a notification under the Environment Protection Act of 1986.

2. It has powers to restrict industries in any area in that region.
3. It lays down parameters for air quality and emission or discharge of environmental pollutants.
4. It monitors the measures taken by the states to prevent stubble burning.

How many statements given above is/are correct?

- A. Only one statement
- B. Only two statements
- C. Only three statements**
- D. All four statements

60. With reference to South Asian Association for Regional Cooperation (SAARC), which of the following statements is/are correct?

1. SAARC was established in 1985 to accelerate the process of economic and social development in its member states.
2. The Secretariat of SAARC is located in Kathmandu, Nepal.

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

61. With reference to the Biological Diversity act in India, consider the following statements:

1. It regulates access to biological resources and associated traditional knowledge.
2. It sets up a two-tier structure to regulate access to biological resources.
3. Application for Intellectual Property Rights can be made without the approval of the National Biodiversity Authority.

4. The salaries and allowances payable to the members of the National Biodiversity Authority shall be appropriated out of the Consolidated Fund of India.

Which of the statements given above is/are not correct?

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

3. The scheme facilitates up to 90% of the total project cost and allows industry to work in consortium with another industry/academia.

Which of the statements given above is/are not correct?

- A. 1 only
- B. 2 only**
- C. 1, 2 and 3
- D. None of the above

62. Consider the following statements:

1. A mutagen is any agent that physically or chemically alters developmental processes that leads to the creation of deformed organisms.
2. Carcinogens interact with a cell's DNA to produce mutations.
3. Teratogenesis is the disruption of DNA resulting in the production of aberrant proteins that lead to cellular or tissue dysfunction.
4. Long-term exposure to radon can lead to lung cancer in humans.

Which of the statements given above is/are correct?

- A. 1 and 3 only
- B. 3 only
- C. 2 and 4 only**
- D. 1, 2, 3 and 4

63. With reference to Technology Development Fund scheme, consider the following statements:

1. It helps to create an ecosystem for promoting self-reliance by building indigenous state of the art systems for defence and aerospace application.
2. It is a part of "Make in India" programme, initiated by the Ministry of Science and Technology.

64. With reference to the PM Surya Ghar Bijli Yojana, which of the following statements is/are correct?

1. The households will be able to get 300 units of electricity free every month.
2. It provides for a subsidy of 80 percent of the solar unit cost for systems up to 2 kW.

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

65. Ecosystem services make human life possible which provide four types of services to the world. Which one of the following is provisioning service?

- A. Supply of food, water, fibers, wood and fuels**
- B. Maintenance of genetic diversity
- C. Recreation and mental and physical health
- D. Spiritual experience and sense of place

66. With reference to the 'Global Alliance of National Human Rights Institutions (GANHRI)', consider the following statements:

1. It is the only non-UN body whose internal accreditation system grants access to UN committees.
2. It ensures compliance with the Paris Principles of 1993.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2**
- D. Neither 1 nor 2

67. Consider the following statements with respect to Ashgabat Agreement :

1. It is a comprehensive economic partnership agreement among Central Asian countries.
2. India is not a founding member of this agreement.
3. This agreement works in synchronization with the International North-South Transport Corridor.

Which of the statements given above is/are correct?

- A. 1 and 2
- B. 2 and 3**
- C. 1 and 3
- D. 1, 2 and 3

68. With reference to Lion-tailed macaque consider the following statements:

1. It is categorized as vulnerable in the IUCN red data list.
2. It is one of the types of primate found in the Western Ghats of India.
3. In general, Macaques are called as 'Specialist Species' as they can adapt to any kind of habitat.

Which of the statement given above is/are correct?

- A. 1 only
- B. 2 only**
- C. 2 and 3 only
- D. 1, 2 and 3

69. Scientist predicts that the rate of species extinction in the 6th mass extinction is more than in previous episodes. Identify which of the following reasons are responsible for the high rate of species extinction?

1. Loss & fragmentation of habitat
2. Over exploitation of ecosystem
3. Coextinction of species
4. Biological invasion of species

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. 1, 2, 3 and 4**

70. Consider the following statements with reference to the Battery Waste Management Rules, 2022:

1. The rules function based on the concept of Extended Producer Responsibility
2. The rules cover all types of batteries except portable batteries
3. The rules list out limits and labelling requirements for batteries
4. It defines mandatory targets for collection and recycling within a compliance timeframe

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1, 3 and 4 only**
- C. 3 and 4 only
- D. 1 and 2 only

71. Recently which one of the following has not been included in the 'UNESCO's Memory of the World Asia-Pacific Regional Register?

- A. Sahrdayaloka-Locana
- B. Panchatantra
- C. Rajatarangini**

D. Ramcharitmanas

period of 50 years after the death of the author.

72. Consider the following statements with regards to Gig workers:

1. In India, Labour Laws define gig workers as a person who performs work and earns, outside the traditional employer-employee relationship.
2. e-Shram is a portal, where gig workers can register themselves to avail the government services and benefits.
3. Recently for the first time, Niti Ayog released a report titled 'India's Booming Gig and Platform Economy' about the gigplatform economy.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. 2 and 3 only**
- D. 1 and 3 only

73. What is the possible impact of 'colony collapse syndrome' on the environment:

1. Hamper the process of Pollination
2. Disturbance in the Food web
3. Economic loss to farmers

Select the correct answer using the code given below:

- A. 1 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. 1, 2 and 3**

74. Consider the following statements:

1. India ranked 34 out of 55 countries in the International Intellectual Property Index of 2022.
2. Patents are protected under IPR for a finite term of 15 years.
3. Literary and artistic works are protected by copyright for a minimum

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 2 only
- C. 3 only**
- D. None of the above

75. Consider the following statements with reference to the Mangrove Cover Assessment 2021:

1. West Bengal has the largest area under open mangrove cover category
2. Gujarat has no area under the Very Dense Mangrove cover
3. Mangrove cover in the country is 1.5 % of the country's total geographical area
4. Odisha shows significant gain in Mangrove cover compared to other states

How many statements given above is/are correct?

- A. Only one statement
- B. Only two statements**
- C. Only three statements
- D. All four statements

76. With reference to the Treaty of Sugauli of 1816, consider the following statements:

1. It was signed between the East India Company and Guru Gajraj Mishra.
2. The Kali River was marked as Nepal's western boundary with India.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2**
- D. Neither 1 nor 2

77. Wetlands are considered as “biological supermarkets”. Which one of the following functions of wetlands best reflects the above statement?
- Wetlands store and slowly release surface water, rain, snowmelt, groundwater, and floodwaters.
 - Wetlands are successful at removing bacteria and other harmful pathogens that run off the land surface.
 - Wetlands are comparable to rain forests and coral reefs in their diversity of food supply and wildlife species.**
 - The production of inland capture fisheries and most coastal fisheries is derived from wetlands.

78. Consider the following statements:

- Estuarine water is moderately variable in its salinity.
- There is a lack of uniformity among tropical estuaries in terms of depth, physical and chemical features.
- Estuaries of Mahanadi and Godavari are never isolated from the sea.
- A number of estuaries in Tamil Nadu and Karnataka coasts are usually relatively small, both in length and catchments areas.

Which of the statements given above are correct?

- 1, 2 and 3 only
- 2, 3 and 4 only**
- 1 and 2 only
- 3 and 4 only

79. “Geneva Package” recently seen in media related to:

- International Labour Organization
- World Health Organization
- World Intellectual Property Organization
- World Trade Organization**

80. Which of the following species are the examples of Phytoplankton?

- Cyanobacteria
- Cladocera
- Diatoms
- Noctiluca
- Coccolithophores
- Pistia

Select the correct answer using the code given below:

- 1, 3, 4 and 5 only**
- 1, 2, 3 and 4 only
- 3 and 4 only
- 1, 3 and 6 only

81. Consider the following statements about Interpol:

- Interpol maintains its own international police force with the authority to conduct arrests worldwide.
- A Red Notice issued by Interpol is a legally binding international arrest warrant.
- CBI acts as the National Central Bureau for Interpol in India.

Which of the given above statements is/are correct?

- 1 and 2 only
- 2 and 3 only
- 3 only**
- 1 only

82. Consider the following statements:

- The State Government has the sole authority to include any part of the territorial waters as a National park within its boundaries.
- Transaction of lawful business with any person residing in the wildlife sanctuary is granted as per wildlife protection act of 1972.
- Human activity is permitted in all the three biosphere reserve zones but not in the National park.

Which of the statements given above is/are correct?

- A. 1 and 3 only
- B. 1 only
- C. 2 and 3 only
- D. 2 only**

4. Central Industrial Security Force (CISF)

Select the correct answer using the code given below:

- A. 1, 2 and 3 only
- B. 1 and 3 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4**

83. Which of the following is termed as "forever chemicals" frequently seen in the media?

- A. Organobromine compounds.
- B. Bisphenol A
- C. Organohalides
- D. Per-and polyfluoroalkyl substances**

87. Consider the following statements:

1. All nutrient cycles operate as closed systems.
2. The rate of movement of nutrients between two reservoirs along their pathways is called flux rate.
3. In Phosphorous cycle the pyrite rocks are the important reservoirs of phosphorus.

Which of the statements given above is/are correct?

- A. 1 and 2 only**
- B. 2 only
- C. 2 and 3 only
- D. All of the above

84. Consider the following pairs:

	Symbiotic Relationship	Examples
1	Predation	Tulsi herbs and Seeds of plant grown around it.
2	Mutualism	Pisaster and mussels
3	Ammensalism	Mycorrhizae and roots of the plant
4	Commensalism	Barnacles growing on the back of a whale

How many pairs given above is/are correct?

- A. Only one pair**
- B. Only two pairs
- C. Only three pairs
- D. All the four pairs

85. Kodava tribes seen in the media frequently belongs to which one of the following regions?

- A. Andhra Pradesh
- B. Odisha
- C. Karnataka**
- D. Gujarat

86. Which among the following are part of the Central Armed Police Forces (CAPF)?

1. Assam Rifles (AR)
2. National Security Guard (NSG)
3. Indo-Tibetan Border Police (ITBP)

88. With reference to the Ecological Pyramid consider the following statements:

1. Pyramid of Biomass of the ocean and the grassland are generally inverted in shape.
2. Pyramid of Energy of the forest ecosystem is always upright.
3. Pyramid of Energy is directly proportional to the inverted Pyramid of numbers.

Which of the statement given above is/are not correct?

- A. 1 only
- B. 1 and 2
- C. 1 and 3**
- D. 3 only

89. Consider the following statements:

1. At Present, the use of leaded petrol has been eradicated from the globe.

2. Lead in the body can be distributed to the brain, liver and kidney but not bones.
3. Lead is widely used in paints, solder, stained glass, lead crystal glassware, ammunition, ceramic glazes, jewellery, and toys.
4. In general, young children absorb nearly four times as much ingested lead as adults from a given source.

How many statements given above is/are correct?

- A. Only one statement
- B. Only two statements
- C. Only three statements**
- D. All four statements

90. Consider the following statements:

1. Species may occupy more than one trophic level in the same ecosystem at the same time.
2. Only 10% (0.1 part) of the total energy of lower trophic is transferred to higher trophic levels.
3. In general, an ecosystem follows either First Law or Second Law of Thermodynamics.

Which of the statement given above is/are correct?

- A. 1 and 2 only**
- B. 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

91. With reference to the Indian Coast Guard (ICG), which of the following statements is/are correct?

1. It was established in 1977 by the Coast Guard Act, 1978 of the Parliament of India.
2. The Ministry of Defence is the parent agency of ICG

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

92. Red Sand dunes called 'Theri Kaadu' which was in news recently is located in:

- A. Andhra Pradesh
- B. Maharashtra
- C. Tamil Nadu**
- D. Karnataka

93. Consider the following statements:

1. Arsenic is highly toxic in its inorganic form.
2. Arsenic is widely distributed throughout the environment in the air, water and land.
3. As per Bureau of Indian Standards the maximum permissible limit of Arsenic in drinking water is 1 mg/l.
4. In India, the Ganga Basin is the most affected zone in terms of arsenic contamination in ground water.

Which of the statements given above are correct?

- A. 2 and 3 only
- B. 1, 2 and 4 only**
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

94. With reference to bioprospecting, consider the following statements:

1. Bioprospecting is the systematic search for unique genes or organisms from the environment which could be useful to society.
2. Antarctic black yeast with anti-tumor properties was patented in Russia.
3. The Cartagena protocol aims at sharing the benefits arising from the utilization of genetic resources in a fair and equitable way.

Which of the statements given above is/are correct?

- A. 1 only
- B. 1 and 2 only**
- C. 1, 2 and 3

D. 3 only

95. Consider the following statements with respect to BS-VI norms in India :

1. An expert committee headed by Saumitra Chaudhuri recommended that Bharat Stage-VI Emission Norms be applied throughout the country by 2024.
2. Octane number and olefin content in BS VI norms match Euro 6 values.
3. Particulate Matter in diesel cars will be reduced by 80% compared to BS-IV norms.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3**

96. With reference to the Department of Military Affairs, consider the following statements:

1. It is headed by the Defence Minister.
2. It was created to facilitate optimal utilization of resources and promote jointness among the three Services.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only**
- C. Both 1 and 2
- D. Neither 1 nor 2

97. Which of the following are the main characteristics of Tropical Rain Forest?

1. Contributes to Public health
2. Poor nutrient soil
3. Potential in Waste management techniques
4. Rich vegetation in forest floor layer
5. Trees and Plants have shallow reaching roots
6. There are no seasons

Select the correct answer from the codes given below:

- A. 1, 2, 4, 5 and 6 only
- B. 3, 5 and 6 only
- C. 1, 2, 3, 5 and 6 only**
- D. 1, 2, 3, 4, 5 and 6

98. With reference to the Ayushman Bharat Pradhan Mantri Jan Aarogya Yojana (AB-PMJAY), consider the following statements:

1. It is the world's largest Government funded health assurance scheme.
2. It provides a cover of Rs. 2 lakhs per family per year for secondary and tertiary care hospitalization.

Which of the statements given above is/are correct?

- A. 1 only**
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

99. What is Digital Public Infrastructure (DPI) primarily aimed at achieving?

- A. Providing high-speed internet access to rural areas
- B. Enhancing government surveillance capabilities
- C. Facilitating digital services delivery to citizens**
- D. Regulating social media platforms

100. Consider the following statements:

1. Dandeli Elephant Reserve is located in Karnataka
2. Singphan Elephant Reserve is located in Manipur
3. Lemru Elephant Reserve is located in Jharkhand
4. Agasthyamalai Elephant Reserve is located in Tamil Nadu

How many statements given above is/are correct?

- A. Only one statement

- B. Only two statements**
- C. Only three statements
- D. All four statements

