



VIZAG IAS ACADEMY

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PRELIMS TEST SERIES 2023

General Studies

Test - 9

TOPICS COVERED

ENVIRONMENT

- Legislations on Environment
- Organizations and Institutions
- Conventions and Protocols
- Reports
- SDGs
- UNFCCC

SCIENCE & TECHNOLOGY – Total Syllabus

RELATED CURRENT AFFAIRS

1. Consider the following statements about pH
1. Our body works within the pH range of 7 to 7.8.
 2. Rain is called acid rain when its pH falls below 5.6
 3. pHs of less than 7 indicate acidity, whereas a pH of greater than 7 indicates a base.

Which of the above statements are Correct:

- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1 and 3 only
 - d) 1, 2 and 3
2. Consider the following statements about Viruses
1. Viruses contain only one type of nucleic acid - either DNA or RNA - never both.
 2. Viruses do not have cells.
 3. The virus that causes COVID-19 has a protein coating so it can be deactivated using soap.

Which of the above statements are Correct:

- a) 1 and 2 only
 - b) 2 and 3 only
 - c) 1 and 3 only
 - d) 1, 2 and 3
3. Consider the following statements about Lagrange points in the context of Space exploration:
1. The L1 point of the Earth-Sun system affords an uninterrupted view of the sun.
 2. The James Webb Space Telescope is placed in the L2 point.

Which of the above statements is/are False

- a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) Neither 1 nor 2
4. Consider the following statements about Dark Matter and Dark Energy
1. Dark Matter does not absorb, reflect or emit light.
 2. Roughly 68% of the universe is Dark Energy.

Which of the above statements is/are correct

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

5. With reference to Standalone 5G and Non-Standalone 5G, consider the following statements:

1. In the standalone mode the 5G network operates parallel to the existing 4G network.
2. Non-standalone networks are built on existing infrastructure.

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

6. With reference to industrially-produced artificial trans-fats, consider the following statements:

1. They raise Low Density Lipoprotein (LDL) Cholesterol and lowers High Density Lipoprotein (HDL) Cholesterol.
2. WHO launches the REPLACE campaign to eliminate trans fats from global food supply by 2023.
3. Tamil Nadu became the first state in India to introduce fat tax on junk food.

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

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

7. Which of the following is/are True about "Graphene"?

1. Graphene is a one-atom-thick sheet of carbon atoms arranged in a honeycomb-like pattern.
2. It can be used in touch screens, light panels and solar cells to replace rather fragile and expensive Indium-Tin-Oxide (ITO).
3. Graphene is the world's strongest material, and can be used to enhance the strength of other materials.
4. Graphene is the most heat conductive found to date.

Select the correct answer using the codes given below:

- a) 1, 2 and 4 only
- b) 1 and 2 only
- c) 1 and 3 only

- d) 1, 2, 3 and 4
8. Consider the following pair:
1. Virtual Reality (VR) - Immerses users in a fully artificial digital environment.
 2. Augmented Reality (AR) - Overlays virtual objects in the real-world environment.
 3. Mixed Reality (MR) - Not just overlays but placing virtual objects to the real world.
- Which of the pairs given above is/are correct?
- a) 1 only
 - b) 2 only
 - c) 3 only
 - d) 1, 2 and 3
9. The "2Africa Pearls" is often seen in news is related to which of the following?
- a) Internet Connectivity
 - b) Diamond mining
 - c) Sustainable agriculture
 - d) Renewable energy
10. Consider the following statements with respect to Gas-Hydrates:
1. Hydrates formed when a gas such as methane gets trapped in well-defined cages of water molecules forming crystalline solids.
 2. Natural gas hydrates occur on continental margins and shelves worldwide from Polar Regions to the tropics.
 3. India has large gas hydrate deposits off the Krishna-Godavari coast and in the Andaman seas.
- Which of the above given statements is/are correct?
- a) Only 1 and 2
 - b) Only 2 and 3
 - c) Only 1 and 3
 - d) 1, 2 and 3
11. Zinc is used to coat Iron through the process of Galvanization because of which of the following reasons?
- a) Zinc has a very low tendency to corrode.
 - b) Zinc is more reactive metal than Iron.
 - c) Zinc is a less reactive metal than Iron.
 - d) None of the above
12. Consider the following statements about Plant Nutrients:

1. Nitrogen, phosphorus, potassium, calcium, sulphur, manganese are the macronutrients.
2. Iron, boron, magnesium, zinc, copper and nickel are some of the micronutrients.

Which of the above statements is/are *False*

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

13. Which of the following acid is responsible for the burning pain when stung by Ant?

- a) Methanoic Acid
- b) Acetic Acid
- c) Oxalic Acid
- d) Tartaric Acid

14. With reference to the domestic electric circuit, consider the following statements:

1. The earth wire is used as a safety measure for appliances that have a metallic body.
2. The potential difference between the live wire and neutral wire in our country is 220 V.
3. In our homes, electrical devices are always connected in parallel.

Which of the statements given above is/are correct?

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

15. Consider the following statements:

1. Both graphite and diamond are allotropes of carbon.
2. Graphite is soft and has a greasy touch while diamond is the hardest naturally occurring substance.
3. Graphite is a bad conductor of electricity while diamond is a very good conductor of electricity.

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

16. Consider the following statements with reference to the Solar eclipses:

1. Solar eclipses happen when the Earth moves directly between the sun and Moon.
2. The ring of fire eclipse occurs When earth is away from the moon, resulting in a narrow band of light around the dark colour of the Earth.

Which of the above statements is/are correct?

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

17. Which of the following are the main reasons for the use of silicon in solar panels?

1. High quality semiconductor.
2. Available in abundance on earth.
3. Low weight volume ratio.
4. Extended life cycle.
5. Robustness and Strength.
6. Easy to produce at high cost.

Select the correct answer using the codes given below:

- a) Only 1, 2, 3, 4, and 5
- b) Only 1, 4, 5 and 6
- c) Only 1, 3, 4 and 5
- d) All of the above

18. Which of the following statements correctly define "Metaverse" which is recently in the news?

- a) An online world where people can exist and communicate in shared virtual spaces.
- b) It is a new Virtual Reality headset, which was launched by Google.
- c) Augmented Reality based computer game for children.
- d) None of the above is correct.

19. Consider the following statements regarding "Gaganyaan Programme":

1. It envisages undertaking the demonstration of indigenous capability to undertake human spaceflight to Low Earth Orbit (LEO).
2. Under the programme two unmanned missions and One manned mission will be carried out.

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

20. Consider the following pairs:

1. OrganEx - Restores circulation and cell function in an animal after it's death
 2. Neuralink - Brain chip company
 3. LOFTID - Inflatable decelerator that could potentially help land astronauts on Mars
- How many of the above pairs are correctly matched?

- a) Only 1 pair
- b) Only 2 pairs
- c) Only 3 pairs
- d) None of the above

21. Consider the following statements about Photosynthesis:

1. Photosynthesis is maximum in red light followed by blue.
2. Glucose and oxygen are the end products of photosynthesis.
3. Photosynthesis can happen only in leaves.

Which of the above statements are Correct:

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

22. Consider the following statements about Identification technologies:

1. Retina scans are more accurate than Iris scans.
2. Iris scan is best suited for physical identification.
3. Aadhaar uses Iris Scan

Which of the 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. With reference to battery energy storage, how do sodium-ion batteries differ from lithium-ion batteries?

1. Sodium-ion batteries have lower energy density than lithium-ion batteries.
2. In cold environments, sodium-ion batteries are less efficient as compared to lithium-ion batteries.

3. The abundance of raw materials required to make sodium-ion batteries makes them cheaper compared to counterparts.

Select the correct answer using the code given below.

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

24. Which of the following are Rare Earth Elements:

- 1. Cerium
- 2. Lanthanum
- 3. Europium

Which of the statements given above is/are correct?

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

25. Consider the following statements about Neutrino:

- 1. Neutrino is a type of Quark.
- 2. India-based Neutrino Observatory (INO) is a proposed particle physics research laboratory at Bodi Hills, Tamilnadu.
- 3. Nuclear reactors are very intense sources of neutrinos.

Which of the statements given above is/are correct?

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

26. Consider the following statements with reference to PSLV and GSLV:

- 1. GSLV has the capability to put a heavier payload in orbit than the PSLV.
- 2. PSLV is designed mainly to deliver earth observation or remote sensing satellites, whereas GSLV has been designed for launching communication satellites.

Which of the above statements is/are correct?

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

27. Consider the following statements regarding Quantum Computer:

- 1. Quantum computers have the ability to process so much more information and so much faster compared to classical computers.
- 2. In a Quantum computer information is expressed through qubit, which is described as a 0 and 1 at the same time.
- 3. Superposition and Entanglement gives quantum computers the ability to process more information.

Which of the above statements is/are correct?

- a) Only 1 and 2
- b) Only 2 and 3
- c) Only 1 and 3
- d) 1, 2 and 3

28. Which of the following statements is **incorrect** with respect to the Hydrogen Fuel Cell?

- a) In a hydrogen fuel cell, it generates electricity with only water and heat as byproducts of the process.
- b) Unlike electric vehicles, FCVs are zero-emission vehicles.
- c) National Hydrogen Mission which aims for generation of hydrogen from green power resources.
- d) None of the above

29. Consider the following statements:

- 1. Green hydrogen is hydrogen gas produced through the electrolysis of water using renewable power.
- 2. The Green Hydrogen Catapult, a United Nations initiative is aimed at bringing down the cost of green hydrogen.

Which of the following statement is/are correct?

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

30. Which of the following are the applications of Nanotechnology in food processing sector?

- 1. Improved Food Storage
- 2. Antimicrobial Packaging
- 3. Green Packaging

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

31. Consider the following statements about fundamental particles:

1. A neutrino is a subatomic particle that is very similar to an electron, but has no electrical charge and a very small mass.
2. A lepton does not get involved in the weak interactions.
3. Quarks combine to form composite particles called hadrons, the most stable of which are protons and neutrons.

Which of the above statements are Correct:

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

32. Consider the following statements about vaccines:

1. DNA vaccine uses a genetically altered plasmid which contains a piece of DNA from a virus in order to activate an immune response.
2. An RNA vaccine uses a copy of a molecule called messenger RNA (mRNA) to produce an immune response.
3. A subunit vaccine contains purified parts of antigen such as proteins, polysaccharides or peptides.

Which of the 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

33. Human immunodeficiency virus first destroys these cells.

- a) leucocytes
- b) B-lymphocytes
- c) thrombocytes
- d) Helper T-lymphocytes

34. Consider the following statements regarding Stem Cell Transplant

1. Stem Cell Transplants have cured HIV.
2. Stem Cell Transplants are also called as bone marrow transplants.

Which of the above statements is/are Correct

- a) 1 only
- b) 2 only

- c) Both 1 and 2
- d) Neither 1 nor 2

35. Which of the following cannot be a blood group of progenies born to parents having A and AB blood groups?

1. A
2. AB
3. O

Select the correct answer using the code given below.

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

36. What is the purpose of LIGO Observatory?

- a) To detect neutrinos
- b) To detect gravitational waves
- c) To study dark matter
- d) To study the effect of solar flares on our communication systems

37. A quantum relationship between two particles that can exist over long distances:

- a) Quantum Superposition
- b) Quantum Entanglement
- c) Quantum Coherence
- d) Quantum Gravity

38. Which of the following statements is **incorrect** with respect to the Genome editing Technology?

- a) These technologies allow genetic material to be added, removed, or altered at particular locations in the genome.
- b) Several approaches to genome editing have been developed one-of them is known as CRISPR-Cas9, which is short for clustered regularly interspaced short palindromic repeats.
- c) CRISPR-Cas9 was adapted from a naturally occurring genome editing system in viruses.
- d) None of the above

39. Consider the following statements about Web 5.0:

1. It is being built with an aim to return ownership of data and identity to individuals.

2. Web 5.0 is a combination of Web 2.0 and Web 3.0.

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

40. The Indian Space Research Organisation (ISRO) brought down which satellite in a controlled manner after its end of life, for the first time?

- a) NISAR
- b) Megha Tropiques-1
- c) Jugnu
- d) AnuSat-1

41. Which of the following alloys have copper as their principal component:

- 1. Duralumin
- 2. Gun Metal
- 3. Bronze

Select the correct code from below:

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

42. With reference to plant transportation system, consider the following statements:

- 1. Phloem moves water and minerals obtained from the soil to the leaves.
- 2. Xylem transports products of photosynthesis from the leaves to other parts of the plants.
- 3. Transpiration involves loss of water vapour through the stomata of plants.

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

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

43. Which of the following is a set of bacterial diseases?

- a) Malaria, poliomyelitis, mumps
- b) Mumps, cholera, typhoid
- c) Plague, Leprosy, Diphtheria
- d) Measles, Tuberculosis, Tetanus

44. Consider the following statements about Nuclear Fusion and Nuclear Fission

- 1. Nuclear Fission reaction does not occur normally in nature.
- 2. Nuclear Fission produces more waste than Nuclear Fusion.
- 3. A hydrogen bomb is based on the principle of uncontrollable nuclear fusion.

Which of the statements given above is/are correct?

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

45. Consider the following pairs:

Lens/Mirror	Use
1. Concave lens	Spy holes in the doors
2. Convex lens	Magnifying glass
3. Concave mirror	Vehicle headlights
4. Convex mirror	Rear-view mirrors

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

46. Which of the following are Remote Sensing Satellites

- 1. RESOURCESAT-2A
- 2. CARTOSAT-2B
- 3. RISAT-2
- 4. OCEANSAT-2

Select the correct codes from the 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

47. Which of the following is/are the latest Mass Rapid Transportation Technologies approved by NITI Aayog?

- 1. Hyperloop
- 2. metrino
- 3. Stadler buses
- 4. Pod taxis
- 5. Metro trains

Select the correct answer using the codes given below:

- a) Only 1, 2, 3 and 4
- b) Only 2, 3, 4 and 5
- c) Only 1, 3, 4 and 5

d) All of the above.

48. With reference to the types of IPR, which of the following statements is/are **incorrect**?

1. A patent is granted for an invention which is a new product or process that meets conditions of novelty, non-obviousness and industrial use.
2. An industrial design means a mark capable of being represented graphically and which is capable of distinguishing the goods or services of one undertaking from those of other undertakings.
3. A trademark consists of the creation of a shape, configuration or composition of pattern or color, or combination of pattern and color in three-dimensional form containing aesthetic value.

Select the **incorrect** answer using the code given below:

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

49. How many of the below softwares are Open Source softwares?

1. Mozilla Firefox
2. VLC Media Player
3. Linux
4. Python
5. PHP
6. LibreOffice
7. Android

Select the correct code from below:

- a) 4 Only
- b) 5 Only
- c) 6 Only
- d) 7 Only

50. Consider the following statements about Lab Grown Diamonds (LGDs)

1. They have the same chemical, physical, and optical properties as mined diamonds.
2. Unlike Natural Diamonds Lab Grown Diamonds have no nitrogen.

Which of the above given statements is/are correct?

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

51. Consider the following statements with regards to the Zero – Waste Approach:

1. A zero-waste approach entails responsible production, consumption and disposal of products in a closed, circular system.
2. International day of zero – waste is celebrated on March 30th annually.
3. It is second year to celebrate the international day of zero-waste.
4. The United Nations Environment Programme (UNEP) and the United Nations Human Settlements Programme (UN-Habitat) jointly facilitate the observance of International Day of Zero Waste.

Which of the above statements are correct?

- a) 1, 2 and 3 only
- b) 1, 2 and 4 only
- c) 1, 3 and 4 only
- d) 1, 2, 3 and 4

52. Consider the following statements:

1. UNEP launched “Waste Wise Cities”, to address the increasing global waste management crisis.
2. It is twelve principles strategy to become “Waste Wise Cities”.
3. It is designed to achieve the goal s under SDGs and Paris agreement.

Which of the above statements are correct with regards to the “Waste Wise Cities” program?

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

53. Consider the following statements:

1. The New Urban Agenda was adopted at the United Nations Conference on Housing and Sustainable Urban Development (Habitat III).
2. The New Urban Agenda represents a shared vision for a better and more sustainable future.
3. Urban areas of the world are major contributors of green house gases and waste than rural world.

Which of the above statements are correct?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3

d) 1, 2 and 3

54. Consider the following statements:

1. World Environment Situation Room is a digital platform launched by the UNDP.
2. It is working on artificial intelligence to analyse environmental situation.

Which of the above statements are **incorrect**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

55. Which of the following initiatives of the UNEP are working based on AI technology?

1. International Methane Emissions Observatory (IMEO)
2. World Environment Situation Room
3. The GEMS Air Pollution Monitoring platform.

Select the correct answer from the codes given below:

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

56. Which of the following organisation has developed a Six-Sector Solution roadmap to reducing emissions across sectors in line with the Paris Agreement commitments and in pursuit of climate stability?

- a) UNDP
- b) UNICEF
- c) UN Habitat
- d) UNEP

57. "CODES" is related to:

- a) Digital technology application in environmental sustainability.
- b) A specially designed codes to guide countries to reduce greenhouse gases.
- c) A collaborative to collect finances for sustainable environment
- d) A special satellite sent by NASA for environmental purposes.

58. Together with the Chinese government, the United Nations Human Settlements Programme (UN-Habitat) has set up the Shanghai Global Award for:

- a) Sustainable Development in Cities to boost urban sustainable development across the globe.
- b) Sustainable development in Coastal areas across the globe.
- c) Sustainable development of ports to reduce marine pollution.
- d) Sustainable development of Industrial areas across the globe.

59. Consider The following statements:

1. United Nations World Water Development Report (WWDR) is a global report that provides an authoritative, comprehensive assessment of the world's freshwater and marine resources.
2. It is produced annually by the World Water Assessment Programme and released by UN-Water.
3. The year 2023 marks the first major conference of the United Nations (UN) dedicated to water since 1977.

Which of the above statements are **incorrect**?

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

60. Consider the following statements:

1. COP26 concluded with an agreement to provide loss and damage funding for vulnerable countries hit hard by floods, droughts and other climate disasters.
2. A 'transitional committee' has been established for recommendations on how to operationalize both the new funding arrangements and the fund for consideration and adoption in the COP 27.

Which of the above statements is/are correct with regards to the climate action?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

61. Which of the following species are protected under the WWF – India's threatened species conservation program?

1. Sarus crane
2. Great Indian Bustard
3. House sparrow
4. Black necked crane

5. Indian Peacock

Select the correct answer from the codes given below:

- a) 1, 2 and 3
- b) 1, 2 and 4
- c) 1, 2, 3 and 4
- d) 1, 3, 4 and 5

62. Which of the following are major conservation issues with regards to Red panda in India?

- 1. Habitat fragmentation
- 2. Predation by feral dogs
- 3. Poaching
- 4. Pollution

Select the correct answer from the codes given below

- a) 1 and 2
- b) 1, 2 and 3
- c) 1 and 3
- d) 1, 2, 3 and 4

63. Consider the following characteristics:

- 1. It has extremely long brow line.
- 2. It seems in dark reddish brown in winters and paler in summer.
- 3. It walks on the hind surface of its pasterns with mincing hops over floating foliage.

Based on the above characteristic features, correctly identify the deer species?

- a) Sangai deer
- b) Chiru
- c) Indian blackbuck
- d) Mouse deer

64. Consider the following statements with regards to the Himalayan quail:

- 1. It is a native bird to India.
- 2. It is found only in mountains of Uttarakhand north west Himalayas.
- 3. They naturally prefer foothills and lower altitudes of mountains.

Which of the above statements are correctly described about the Himalayan quails?

- a) 1 only
- b) 1 and 2
- c) 2 and 3
- d) None of the above

65. Consider the following statements:

- 1. India is largest producer of sponge iron.
- 2. Highly toxic Napthalene is released due to iron and steel industry pollution.

3. Steel slag causes alkalinity of ground water.

Which of the above statements are *incorrect*?

- a) 1 only
- b) 1 and 2
- c) 2 and 3
- d) None of the above

66. Consider the following statements:

- 1. It is a tiger reserve
- 2. It is one of the world heritage sites declared by the UNESCO.
- 3. It is identified as an important bird reserves by the Bird Life International.
- 4. It is house of "big four" – Rhino, Elephant, Bengal Tiger and Water buffalo.

Based on the above features identify the correct Biodiversity conservation location:

- a) Manas National Park
- b) Dihang
- c) Kaziranga
- d) Nokrek

67. Consider the following statements:

- 1. Tiger reserve is to be declared by the central government.
- 2. National Tiger Conservation Authority was constituted under the Wild Life Protection Act, 1972.

Which of the above statements is/are *incorrect*?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

68. Which of following are used to control algal blooms in water bodies?

- 1. Drip irrigation
- 2. Using aluminium modified clay
- 3. Sodium percarbonate
- 4. Restoring selfish

Select the correct answer from the codes given below

- a) 1, 2 and 3
- b) 2, 3 and 4
- c) 1, 2 and 4
- d) 1, 2, 3 and 4

69. Which of the following plant Verity is relaxed from the CITES norms for trading recently?

- a) Teak

- b) Shisham
- c) Sandle wood
- d) Deodar

70. Which of the following are two verticals of the 'Project Green Ports'?

- a) Green Ports Initiative and Swachh Bharat Abhiyaan.
- b) Green Ports Initiative and Blue economy initiative
- c) Swachh Bharat Abhiyan and Blue Economic Initiative
- d) Blue economic initiative and Sagar mala

71. Consider the following statements:

- 1. Adult tiger generally live solitary.
- 2. Adult lions generally live in groups.
- 3. Adult Elephants live in pairs.
- 4. Adult bears live in solitary.

Which of the above statements are correctly given

- a) Two pairs are correctly given
- b) Three pairs are correctly given
- c) Four pairs are correctly given
- d) One pair is correctly given.

72. Indian thermal power projects have been warned in recent times for releasing which of the following pollutants?

- 1. Carbon dioxide
- 2. Sulphur dioxide
- 3. Nitrogen oxides
- 4. Mercury

Select the correct answer from the codes given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 2, 3 and 4 only
- d) 1, 2, 3 and 4

73. Consider the following statements:

- 1. Bharat stage VI standards have been implemented nation wide from 2020 onwards based on the Supreme court directions.
- 2. Bharat stage II and V standards were skipped for implementation.
- 3. Bharat stage emission standards are implemented only for petrol and diesel vehicles not for bio-diesel vehicles.

Which of the above statements are **incorrect** with regards to the Bharat stage norms?

- a) 1 only

- b) 1 and 2 only
- c) 2 and 3 only
- d) None of the above

74. Consider the following statements:

- 1. Rhododendrons are flowering plants.
- 2. They are indicator species
- 3. They are found in Himalayas and Western Ghats.

Which of the above statements are correct with regards to the Rhododendrons?

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

75. Consider the following statements:

- 1. Puducherry has launched the country's first Marine Spatial Planning (MSP) framework.
- 2. It is part of a pact under the Indo-Norway Integrated Ocean Initiative.
- 3. Marine Spatial Planning (MSP) will be implemented by the Ministry of Environment through the National Centre for Coastal Research (NCCR) for India.

Which of the above statements are correct with regards to the Marine Spatial Planning?

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

76. The Kunming-Montreal Global Biodiversity Framework adopted recently, in this context Consider the following statements:

- 1. The "Kunming-Montreal Global Biodiversity Framework" (GBF) was adopted by the 15th Conference of Parties (COP15) to the UN Convention on Biological Diversity.
- 2. Through Kunming-Montreal Global Biodiversity Framework (GBF), countries agreed to protect 30 percent of the planet by 2030.
- 3. This framework has five goals and 25 targets.

Which of the above statements are correct?

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

77. Orangutans are seen in news recently, they are:

- a) They are living apes in Asia.
- b) They are living apes in Africa
- c) They are fossil apes in Asia
- d) They are living apes in Asia and Africa

78. Animals listed under which of the following schedule of the Wildlife Protection Act can be allowed for hunting?

- a) Schedule III
- b) Schedule IV
- c) Schedule V
- d) Schedule VI

79. Which of the following species is **NOT** critically endangered/ endangered species according to the IUCN Red list?

- a) Sangai deer
- b) Siberian crane
- c) Indus river dolphin
- d) Bengal florican

80. Which of the following animal is **NOT** habituated Indian grasslands?

- a) Great Indian Bustard
- b) Hornbill
- c) Pelican
- d) Both B and C

81. Consider the following pairs:

- 1. Kambalakonda wildlife sanctuary – Eastern Ghats
- 2. Panna tiger reserve – Vindhya
- 3. Bandipur national park – Western ghats

Which of the above pair/pairs is/are correctly given?

- a) One pair is correctly given
- b) Two pairs are correctly given
- c) Three pairs are correctly given
- d) None of the above is correctly given

82. Consider the following pairs:

- 1. Stockholm conference – conference on human environment
- 2. Bonn convention – convention on migratory birds
- 3. Cartagena protocol – biosafety

Which of the above statements are **incorrectly** given?

- a) 1 only
- b) 2 only
- c) 3 only

d) None of the above

83. Consider the following statements:

- 1. Under the Biodiversity Act, 2002, the central government can notify the threatened species in consultation with the National Biodiversity Authority.
- 2. Any offence under the Act is cognizable and non – bailable.

Which of the above statements is/are **incorrect** with regards to the National Biodiversity Act, 2002?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

84. Which of the following legal measures regulate GM crops in India?

- 1. Biodiversity Act, 2002
- 2. Environmental Protection Act, 1986
- 3. Food Safety and Standards Act, 2006
- 4. Drugs and Cosmetics rules, 1988

Select the correct answer from the codes given below:

- a) 1, 2 and 3 only
- b) 2, 3 and 4 only
- c) 1, 3 and 4 only
- d) 1, 2, 3 and 4

85. "In our LiFEtime" campaign is started by which of the following countries?

- a) India
- b) European countries
- c) The USA
- d) Egypt

86. Which of the following countries are partnership countries in the Mangrove Alliance for Climate?

- 1. India
- 2. Australia
- 3. The USA
- 4. Indonesia
- 5. Japan
- 6. Spain

Select the correct answer from the codes given below:

- a) 1, 2, 3, 4 and 5 only
- b) 1, 2, 4 and 5 only
- c) 1, 2, 4, 5 and 6 only
- d) 1, 2, 3, 4, 5 and 6

87. Global Shield Against Climate Risks Initiative is initiated by:

- a) G7 countries
- b) G20 countries
- c) G20 and G7 countries
- d) OECD countries

88. Consider the following statements:

- 1. G20 countries are responsible for 3/4th greenhouse gases emits of the globe.
- 2. The report warned the world to cut 50% of emissions to avoid global catastrophe.

Which of the above statements are correct according to the Emission Gap report, 2022?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

89. Consider the following statements:

- 1. India is fourth largest contributor of greenhouse gases in the World.
- 2. Per capita consumption of CO₂ is lesser than global average.
- 3. The USA is largest contributor and per capita consumer in the world.

Which of the above statements are correct with regards to the greenhouse gas emissions?

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

90. Which of the following is the significance of the Kigali amendment to the Montreal Protocol?

- a) Reduction of the CHCs and HCFCs
- b) Reduction of HFCs
- c) Reduction of Greenhouse gases
- d) Reduction of persistent organic pollutant usage

91. Consider the following statements with reference to the Initiative on Climate Action and Nutrition (I-CAN):

- 1. Launched at the 27th session of UNFCCC in partnership with WHO, FAO and Global Alliance for Improved Nutrition.
- 2. The goal of I-CAN is to support member and non-member states in delivering climate change adaptation and mitigation policy action besides improving nutrition.

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

92. Consider the following statements with reference to Global Methane Initiative (GMI):

- 1. GMI was created in 2004 to achieve a global reduction in anthropogenic methane emissions.
- 2. India has been one of the members since its inception.
- 3. It is a voluntary Government and an informal international partnership among developing countries having economies in transition and under developed countries.

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

93. Consider the following statements:

- 1. The National Clean Air Programme, administered by the Central Pollution Control Board, is a nationwide program to keep track of ambient air quality.
- 2. Particulate Matter containing sulphur or nitrogen compounds has a warming effect on the local and global climate.

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

94. With reference to Carbon sequestration, consider the following statements:

- 1. The London Convention and London Protocol are international regulatory instruments in carbon capture and sequestration in marine environment.
- 2. Indian Council of Forestry Research and Education established the National Centre of Excellence in Carbon Capture and Utilisation at IIT-Bombay.

3. CCUS (Carbon Capture Utilisation and Storage) are helpful in enhancing oil and gas recovery.

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

95. Global Methane Assessment: Benefits and Costs of Mitigating Methane Emissions is launched by which one of the following?

- a) Climate & Clean Air Coalition and UNEP
- b) United Nations Framework Convention on Climate Change.
- c) Intergovernmental Panel on Climate Change and Blue Green Alliance
- d) Clean Air Task Force

96. Consider the following statements:

- 1. "National solar mission" aims the development of large-scale and rooftop solar projects and trading of solar power.
- 2. Solar Energy Corporation of India (SECI) is a company under the Ministry of New and Renewable Energy to facilitate the implementation of the National Solar Mission (NSM).

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. Consider the following statements:

- 1. Market Transformation for Energy Efficiency (MTEE) scheme aims at improving efficiency in energy-intensive sectors.
- 2. PAT (Perform Achieve and Trade) scheme is a flagship program of the Bureau of Energy Efficiency.
- 3. PAT scheme helps in the shift towards energy-efficient appliances.

Which of the statements given above is/are correct?

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

98. With reference to the Forest (Conservation) Amendment Bill, 2022, which of the following projects proposed to be exempted from the requirement of needing prior approval from the central government to use forest land for non-forestry purposes?

- 1. National security projects
- 2. Border infrastructure projects
- 3. Plantation on palm and oil-bearing trees
- 4. Oil exploration
- 5. Wildlife tourism

Select the correct answer from the codes given below:

- a) 1, 3 and 4 only
- b) 2, 3 and 5 only
- c) 1, 2, 4 and 5 only
- d) 1, 2, 3, 4 and 5

99. Consider the following statements with reference to the Ramsar Convention on Wetlands:

- 1. It is an intergovernmental treaty for the conservation and wise use of wetlands.
- 2. Ramsar secretariat designating a wetland as a wetland of global importance certainly leads to extra funding by the global bodies.
- 3. India has the second-highest number of Ramsar sites under the convention in Asia after China.

Which of the statements given above is/are correct?

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

100. Consider the following statements:

- 1. UNESCO's International Geoscience Programme facilitates international scientific cooperation in geosciences.
- 2. Mawmluh Cave (Krem Mawmluh), in Assam, is listed as one of the 'First 100 International Union of Geological Sciences Geological Sites' in the world.
- 3. UNESCO is the only United Nations organization with a mandate to support research and capacity in geology and geophysics.

Which of the statements given above is/are correct?

- a) 2 only

- b) 3 only
- c) 1 and 3 only
- d) 1, 2 and 3



Key

1. D
2. A
3. D
4. C
5. C
6. D
7. D
8. D
9. A
10. D
11. B
12. C
13. A
14. A
15. B
16. D
17. A
18. A
19. C
20. C
21. C
22. C
23. C
24. D
25. A
26. C
27. D
28. B
29. C
30. D
31. C
32. D
33. D
34. C
35. C
36. B
37. B
38. C
39. C
40. B
41. B
42. A
43. C
44. C
45. D
46. D
47. A
48. B
49. D
50. C
51. B
52. C
53. D
54. A
55. D
56. D
57. A
58. A
59. A
60. D
61. C
62. B
63. A
64. B
65. D
66. C
67. D
68. D
69. B
70. A
71. B
72. C
73. C
74. D
75. A
76. A
77. A
78. C
79. D
80. D
81. B
82. D
83. D
84. D
85. A
86. C
87. A
88. A
89. A
90. B
91. A
92. A
93. D
94. C
95. A
96. B
97. B
98. D
99. D
100. C



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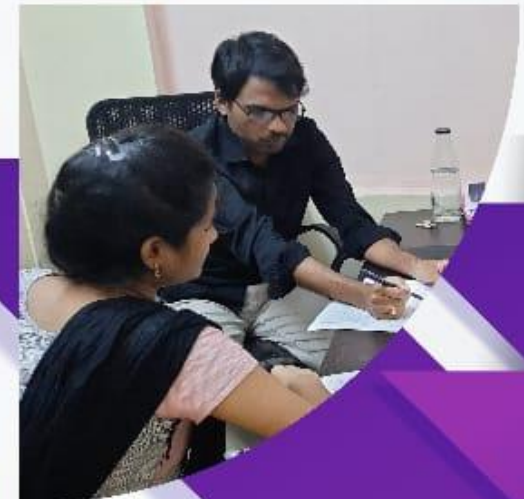


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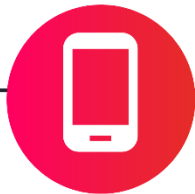
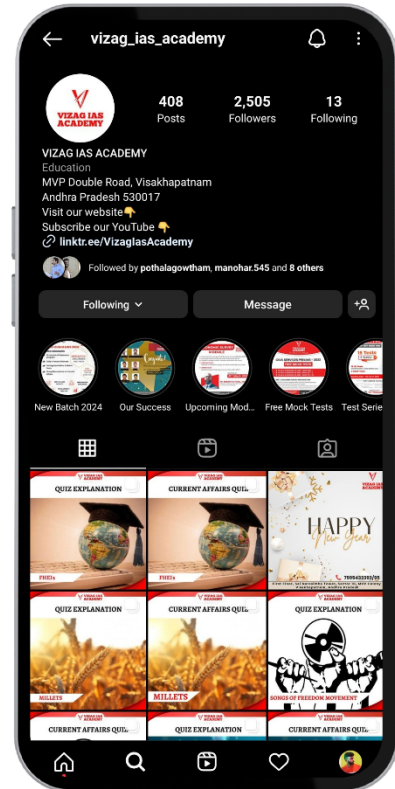
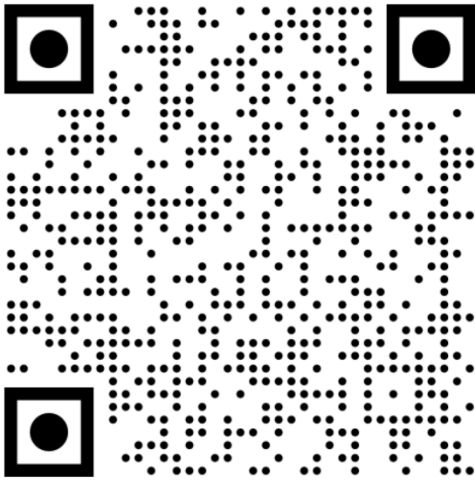
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