

EDUCRAT IAS AANKLAN-PRELIMS TEST SERIES 2026

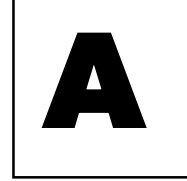


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Test Booklet Series



TEST BOOKLET

GENERAL STUDIES
Paper I

G-A-21-2026

Time Allowed: Two Hours

Maximum Marks: 200

I N S T R U C T I O N S

1. Immediately after the commencement of the examination, you should check that this test booklet does *not* have any unprinted or torn or missing pages or items etc. if so, get it replaced by a complete test book.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**
3. This Test Booklet contains **100** items (questions). Each item is printed in **English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
4. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet. **All** items carry equal marks.
5. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admit Card.
6. **Penalty for wrong answers:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question
 - (iii) If a question is left blank i.e., no answer is given by the candidate, there will be **no penalty** for that question
7. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only* the *Answer Sheet*. You are permitted to take away with you the Test Booklet.

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1. Which of the following are unique characteristics of the genetic code?

- I. It is non-overlapping.
- II. It is nearly universal across all living organisms.

Select the correct answer using the code given below:

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

2. A viral infection is found to cause the following effects in human host cells:

- I. It infects T-cells of humans.
- II. It harms your immune system by destroying the white blood cells.
- III. It may also spread by sharing drug needles of an infected person.

Which of the following viruses is most likely responsible for these effects?

- (a) Human Immunodeficiency Virus (HIV)
- (b) Influenza A virus
- (c) Dengue virus
- (d) None of the above

3. Consider the following statements regarding genes and genomes:

- I. A gene is a functional unit of inheritance.
- II. Entire protein coding is done by genome.

Which of the statements given above are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

4. With reference to the components of human blood, consider the following statements:

- I. Red Blood Cells (RBCs) are the most abundant of all blood cells present in the blood.

- II. RBCs are devoid of nucleus in most mammals.
- III. White Blood Cells (WBCs) appear colourless due to the absence of haemoglobin.

Which of the statements given above is/are correct?

- (a) I only
- (b) I and III only
- (c) II and III only
- (d) I, II and III

5. Consider the following statements with regard to fungi:

- I. Fungi that obtain nutrients from dead organic matter are called saprophytes.
- II. Parasitic fungi derive their nutrition from living hosts.
- III. Fungi do not form symbiotic relationships with other organisms.

Which of the statements given above are correct?

- (a) I and III only
- (b) II and III only
- (c) I, II and III
- (d) I and II only

6. Consider the following statements with respect to the Endoplasmic Reticulum (ER):

- I. The Rough Endoplasmic Reticulum (RER) is involved in protein synthesis and is often continuous with the outer membrane of the nucleus.
- II. The Smooth Endoplasmic Reticulum (SER) is the main site for lipid and steroid hormone production in animal cells.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

7. Consider the following pairs:

Cell Organelles	Characteristics
I. Plastids	They are important for photosynthesis in plants
II. Lysosomes	They are involved in the storage, modification and packaging of products in vesicles
III. Golgi apparatus	They contain digestive enzymes capable of breaking down all organic matter
IV. Vacuoles	They store amino acids and sugars in plant cells

How many of the pairs given above are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

8. Consider the following statements with regard to prokaryotic cells:

- I. Prokaryotic cells are generally smaller in size and reproduce more rapidly than eukaryotic cells.
- II. Unlike eukaryotic cells, prokaryotic cells do not have membrane-bound storage structures.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

9. With reference to the process of transcription in cells, consider the following statements:

- I. It involves the synthesis of RNA using only one strand of the DNA as a template.
- II. Unlike DNA replication, transcription results in duplication of the entire DNA strand.

Which of the statements given above are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

10. Consider the following uses:

- I. As an oxidising agent in chemical industries
- II. To remove permanent hardness of water
- III. To make drinking water free from germs

How many of the above are applications of Bleaching powder?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

11. Consider the following pairs:

Natural Source	Acid
I. Vinegar	Oxalic acid
II. Tamarind	Acetic acid
III. Tomato	Tartaric acid
IV. Nettle sting	Methanoic acid

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

12. The use of aspartame as an artificial sweetener is largely limited to cold foods and soft drinks because:

- (a) it is highly toxic when heated
- (b) it loses sweetness in acidic media
- (c) it becomes unstable at cooking temperatures
- (d) it reacts with sugar at high temperatures



13. Which one of the following statements is not correct with respect to water?

- (a) Water is known as a universal solvent.
- (b) Hydrogen bonding is a key intermolecular interaction in liquid water.
- (c) Hydrogen bond between the water molecules breaks on freezing.
- (d) Frozen water is lighter than liquid water.

14. Consider the following statements:

Statement I: Silver articles become black when exposed to air.

Statement II: Silver reacts with sulphur in the air.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

15. Consider the following statements:

- I. The electrical conductivity of an alloy is lower than that of the pure metals.
- II. An alloy of lead and tin is used for welding electrical wires together.
- III. In India, 24-carat gold is commonly used for making ornaments.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

16. Which of the following statements are correct with regard to heavy water?

- I. It is used as a moderator in nuclear reactors.

II. It is more effective as a solvent than ordinary water.

III. It exhibits greater intermolecular association.

IV. It has a lower boiling point than ordinary water.

Select the correct answer using the code given below:

- (a) I and II only
- (b) II and IV only
- (c) III and IV only
- (d) I and III only

17. Consider the following:

- I. Red cabbage leaves
- II. Turmeric
- III. Litmus
- IV. Petals of Petunia
- V. Methyl orange

How many of the above substances can be used as acid-base indicators?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All the five

18. The rate of a chemical reaction at a given temperature primarily depends on the:

- (a) equilibrium constant of the reaction
- (b) molecular weight of reactants
- (c) concentration of reactants
- (d) color and odor of the reactants

19. Arrange the following materials in decreasing order of their specific heat capacity:

- I. Aluminium
- II. Water
- III. Tungsten
- IV. Copper

Select the correct answer using the code given below:



- (a) I - II - III - IV
- (b) II - IV - III - I
- (c) II - I - IV - III
- (d) III - IV - II - I

20. Consider the following:

- I. Gamma rays
- II. X-rays
- III. Far ultraviolet radiation
- IV. Visible light
- V. Infrared
- VI. Microwaves

How many of the above are classified as ionizing radiation?

- (a) Only three
- (b) Only four
- (c) Only five
- (d) All the six

21. Consider the following statements:

Statement I: Alloys are used in electrical heating devices like electric irons and toasters.

Statement II: Alloys do not oxidise readily at high temperatures.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

22. The formation of a mirage on a hot tarred road is primarily the result of:

- (a) diffraction
- (b) dispersion
- (c) reflection

(d) total internal reflection

23. Consider the following statements:

- I. Dark matter is an anti-matter and is a repulsive force responsible for the accelerated expansion of the universe.
- II. Dark energy acts like a cosmic glue that holds galaxies together because it interacts with gravity.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

24. Consider the following statements:

Statement I: Graphene is considered a promising material for transparent touch panels.

Statement II: Graphene absorbs all of the visible light.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

25. Amplitude Damping, Phase Damping and Depolarizing Noise, recently seen in the news, are related to:

- (a) techniques for detecting gravitational waves
- (b) quantum computing and quantum error correction
- (c) protocols in satellite-based communication systems
- (d) mechanisms for stabilising nuclear fusion reactions



26. Consider the following particles:

- I. Electron
- II. Proton
- III. Muon
- IV. Neutron
- V. Graviton

How many of the above are classified as subatomic particles?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All the five

27. Which one of the following best explains why raindrops do not strike the ground at dangerously high speeds?

- (a) Their small size prevents acceleration
- (b) Gravity has minimal effect on falling droplets
- (c) Air resistance balances gravity, causing terminal velocity
- (d) Raindrops lose energy due to evaporation during the fall

28. Consider the following:

- I. Dolphins
- II. Bats
- III. Porpoises
- IV. Rhinoceroses
- V. Elephants

How many of the above animals use ultrasound waves for echolocation or communication?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All the five

29. Consumption of water contaminated with mercury and cadmium respectively leads to:

- (a) Minamata disease and Itai-Itai disease

- (b) Blue Baby syndrome and Minamata disease
- (c) Itai-Itai disease and Skeletal Fluorosis
- (d) Skeletal Fluorosis and Blue Baby syndrome

30. Consider the following diseases:

- I. Ebola virus
- II. Marburg virus
- III. Cueva virus
- IV. Zika virus

How many of the above viruses belong to the family Filoviridae?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

31. With reference to communicable diseases, which one of the following statements is correct?

- (a) Tuberculosis is caused by a bacterium that only affects the lungs.
- (b) Malaria is transmitted by the bite of female Anopheles mosquitoes infected with the virus.
- (c) Polio can invade the nervous system and lead to irreversible paralysis.
- (d) Dengue fever is caused by a virus and transmitted to humans only through the bite of an infected female Aedes aegypti mosquito

32. Consider the following statements with regard to the mRNA vaccines:

- I. They can induce both innate and adaptive immunity.
- II. They can be designed to encode any antigen based on the unique attributes of diseases.
- III. They allow rapid development and large-scale production through a cell-free process.
- IV. They are more stable and immunogenic than other vaccine modalities.

Which of the statements given above are correct?

- (a) I and II only



- (b) I, II and III only
- (c) III and IV only
- (d) II, III and IV only

33. Which one of the following vitamin deficiency is associated with deficiency anaemia?

- (a) Vitamin B1
- (b) Vitamin B6
- (c) Vitamin B9
- (d) Vitamin B12

34. With reference to thrombectomy, consider the following statements:

- I. It is a minimally invasive medical procedure used to remove blood clots from blood vessels.
- II. It is primarily used in the treatment of haemorrhagic stroke.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

35. Which one of the following is not an epidemic disease?

- (a) Ebola virus
- (b) Bell's Palsy
- (c) Cholera
- (d) Lyme disease

36. The artificial method of reducing global temperature by reflecting sunlight back into space makes use of:

- (a) sulphur dioxide and silver iodide
- (b) sulphur dioxide and water vapour
- (c) silver nitrate and carbon dioxide
- (d) potassium iodide and ozone

37. Consider the following modes of transmission with regard to Human Immunodeficiency Virus (HIV):

- I. Infected blood
- II. Breast milk
- III. Sharing food with an infected person

In how many of the above ways HIV can be transmitted from one person to another?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

38. Which one of the following best describes artificial passive immunity?

- (a) Immunity acquired after recovery from a natural infection
- (b) Immunity induced by vaccination with live or attenuated pathogens
- (c) Immunity transferred from mother to child via the placenta or breast milk
- (d) Immunity conferred by administration of pre-formed antibodies

39. Consider the following statements with regard to the plant cells and animal cells:

- I. Plant cells have well-developed centrioles, while animal cells do not.
- II. Animal cells possess a cellulose cell wall, whereas plant cells do not.
- III. Animal cells have well-developed golgi bodies but plant cells do not.

Which of the statements given above is/are correct?

- (a) I only
- (b) II and III only
- (c) I, II and III
- (d) None



40. Consider the following statements:

Statement I: Mitochondria and chloroplasts are considered semi-autonomous organelles.

Statement II: Mitochondria and chloroplasts are incapable of independent existence outside the cytoplasm.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

41. Consider the following statements with regard to stem cell classification:

- I. Pluripotent stem cells can become any cell type in the embryo and placenta.
- II. Totipotent stem cells can form all embryonic and extra-embryonic tissues.
- III. Multipotent stem cells can differentiate cell types within a particular lineage or family.
- IV. Unipotent stem cells can form one cell type but cannot self-renew.

Which of the statements given above is/are correct?

- (a) I, III and IV only
- (b) II and III only
- (c) IV only
- (d) II, III and IV only

42. Consider the following statements:

- I. Prebiotics are dietary fibres that are degraded by gut microbiota.
- II. Probiotics are live microbes found in fermented foods like yogurt.

III. Prebiotics are non-digestible and serve as food for probiotics.

Which of the statements given above is/are correct?

- (a) I only
- (b) I and III only
- (c) II and III only
- (d) I, II and III

43. With reference to microbodies, consider the following statements:

- I. They are small, single-membrane-bound cell organelles, present only in eukaryotic cells.
- II. They contain enzymes that are involved in metabolic activities such as detoxification.
- III. Peroxisomes and glyoxysomes are examples of microbodies.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

44. Which of the following are examples of carnivorous plants?

- I. Water lily
- II. Sundews
- III. Cobra lily
- IV. Corkscrew

Select the correct answer using the code given below:

- (a) I and II only
- (b) III and IV only
- (c) I, II and III only
- (d) II, III and IV only

45. An employee at a corporate office opens an email attachment from an unknown sender. Within minutes, access to important files is lost and a



message appears on the screen demanding payment in cryptocurrency to unlock the files. The message warns that failure to pay within 48 hours will result in permanent deletion of data.

Which of the following best explains the type of cyberattack involved in this situation?

- (a) Denial-of-service
- (b) Adware
- (c) Spyware
- (d) Ransomware

46. In the context of plant cell structure, the term 'tonoplast' refers to:

- (a) a selectively permeable membrane surrounding the central vacuole
- (b) a membrane covering the cell wall in plant cells
- (c) the inner membrane of the mitochondria
- (d) a membrane enclosing the plastids

47. Consider the following statements with regard to Microalgae:

- I. They are photosynthetic organisms found in both freshwater and marine ecosystems.
- II. Some microalgae lack lignin and cellulose, making them suitable for biotechnological applications.
- III. They help to purify water as they consume nutrients and pollutants during their growth.

Which of the statements given above is/are correct?

- (a) I only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

48. Consider the following statements:

- I. All protozoans are heterotrophs and live as predators or parasites.
- II. Lichens are the symbiotic association of fungi and algae.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

49. Which of the following animals does not belong to the same biological class as the other three?

- (a) Flying fox
- (b) Elephant
- (c) Monkey
- (d) Wombat

50. With the present state of development, drones can effectively perform which of the following tasks?

- I. Aerial spraying of pesticides in agricultural fields
- II. Delivering medical supplies to remote or disaster-affected areas
- III. Conducting real-time surveillance and reconnaissance in border regions
- IV. Mapping inaccessible terrains for infrastructure development

Select the correct answer using the code given below:

- (a) I and II only
- (b) III and IV only
- (c) I, II and III only
- (d) I, II, III and IV

51. Which one of the following correctly represents the increasing order of pH of the given substances?

- (a) Stomach acid < Fresh milk < Pure water < Lime water
- (b) Fresh milk < Stomach acid < Lime water < Pure water
- (c) Pure water < Stomach acid < Lime water < Fresh milk
- (d) Lime water < Fresh milk < Stomach acid < Pure water



52. Consider the following statements with regard to Small Modular Reactors (SMRs):

- I. They are advanced nuclear reactors with a power capacity of one-third of the generating capacity of traditional nuclear power reactors.
- II. SMR power plants have longer refueling intervals as compared to conventional reactors.
- III. They utilize nuclear fusion in a controlled manner to generate heat to produce energy.

Select the correct answer using the code given below:

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

53. Which of the following is an example of a physical change?

- (a) Rusting of iron
- (b) Burning of paper
- (c) Melting of ice
- (d) Cooking of food

54. With reference to the Global Positioning System (GPS), consider the following statements:

- I. It requires signals from a minimum of four satellites to accurately determine the precise location of a receiver on Earth.
- II. It can be used for accurate time stamping of stock market transactions.
- III. Its signals can be disrupted or degraded by atmospheric conditions such as ionospheric disturbances and solar flares.

Which of the statements given above is/are correct?

- (a) I and II only
- (b) II and III only
- (c) III only
- (d) I, II and III

55. Which of the following animals are warm-blooded?

- (a) Frog and Lizard
- (b) Whales and Penguins
- (c) Moth and Crocodile
- (d) Toad and Tortoises

56. Which of the following makes use of the principle of multiple reflection of sound?

- I. Megaphones
- II. Stethoscopes
- III. Trumpets and shehnais
- IV. Design of ceilings in cinema halls

Select the correct answer using the code given below:

- (a) I, II, III and IV
- (b) II, III and IV only
- (c) I and IV only
- (d) I, II and III only

57. SDN-1, SDN-2 and SDN-3 technologies are mentioned in the context of:

- (a) synthesis of synthetic fertilisers
- (b) targeted genome editing in organisms
- (c) production of disease-resistant livestock vaccines
- (d) improving the efficiency of solar photovoltaic Cells

58. Which of the following are the properties of X-rays?

- I. They affect the photographic plate.
- II. They cause fluorescence in chemical compounds.
- III. They ionise the gases.
- IV. They show no reflection in mirrors.
- V. They get deviated by an electric or magnetic field.

Select the correct answer using the code given below:

- (a) II, IV and V only
- (b) I, III and V only
- (c) I, II, III and IV only

(d) I, II, III, IV and V

59. Three balloons, X, Y and Z, are each filled with a different gas: hydrogen, ammonia and carbon dioxide, respectively. If all three are released into the air at the same time, which one will ascend the slowest?

- (a) Balloon X
- (b) Balloon Y
- (c) Balloon Z
- (d) All will rise at the same rate

60. Consider the following:

- I. Introns
- II. Exons.
- III. Cistron

These genetic arrangements are related to which of the following molecular processes?

- (a) Translation
- (b) Transcription
- (c) Replication
- (d) Reverse Transcription

61. In the context of biotechnology, the discovery of Lin-4 and Lin-14 provided insights into:

- (a) The role of microRNA in post-transcriptional gene regulation.
- (b) The coding potential of all RNA sequences in an organism.
- (c) The process by which RNA directly modifies DNA sequences.
- (d) The universal presence of microRNA exclusively in humans.

62. Consider the following statements regarding plasmids:

- I. They are small, circular, extra-chromosomal DNA molecules found in many bacteria.
- II. In Recombinant DNA Technology (RDT), they serve as cloning vectors used to deliver and integrate alien pieces of DNA into a host organism.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

63. Consider the following statements about Genetic Engineering from Bioprocess Engineering:

- I. Genetic engineering involves changing the phenotype of the host organism.
- II. Bioprocess engineering involves the maintenance of a sterile, microbial contamination-free ambience in chemical engineering processes.

Which of the statements given above is/are incorrect?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

64. Consider the following statements regarding the cell membrane and the cell wall:

- I. The cell membrane is present in all living cells, whereas the cell wall is found only in plants, fungi, bacteria, and some protists.
- II. The cell membrane is fully permeable.
- III. The cell membrane is composed of lipids and proteins whereas the cell wall is primarily composed of carbohydrates like cellulose or peptidoglycan.
- IV. The cell walls primarily provide structural support, whereas cell membranes regulate movement of the proteins.

Which of the statements given above are correct?

- (a) I and II only
- (b) I, III, and IV only
- (c) II, III, and IV only
- (d) All four

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65. Consider the following:

- I. Identification of DNA.
- II. Introduction of the identified DNA into the host.
- III. Maintenance of introduced DNA in the host.

Which of the following processes is best described by the steps given above?

- (a) DNA Fingerprinting
- (b) Creation of a Genetically Modified Organism
- (c) Polymerase Chain Reaction
- (d) Gel Electrophoresis

66. Consider the following:

1. Bacteria
2. Fungi
3. Virus

Which of the above can be cultured in artificial/synthetic medium?

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

67. Consider the following statements:

1. Ballistic missiles are jet-propelled at subsonic speeds throughout their fights, while cruise missiles are rocket-powered only in the initial phase of fight.
2. Agni-V is a medium-range supersonic cruise missile, while BrahMos is a solid-fuelled intercontinental ballistic missile.

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

68. With reference to the Indian Regional Navigation Satellite System (IRNSS), consider the following statements:

1. IRNSS has three satellites in geostationary and four satellites in geosynchronous orbits.
2. IRNSS covers the entire India and about 5500 sq. km beyond its borders.
3. India will have its own satellite navigation system with full global coverage by the middle of 2021.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) None

69. Satellites used for telecommunication relay are kept in a geostationary orbit. A satellite is said to be in such an orbit when:

1. The orbit is geosynchronous.
2. The orbit is circular.
3. The orbit lies in the plane of the earth's equator.
4. The orbit is at an altitude of 22,236 km.

Which the correct answer using the code given below:

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

70. Consider the following technologies:

1. Closed-circuit Television
2. Radio Frequency Identification
3. Wireless Local Area Network

Which of the above are considered communication Short-Range devices/technologies?

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

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71. The RELOS Agreement, sometimes mentioned in defence cooperation, is signed between India and which of the following countries?

- (a) Russia
- (b) United States
- (c) Japan
- (d) France

72. The term “Quantum–Classical Transition”, sometimes discussed in news, refers to:

- (a) The process by which quantum systems begin to exhibit classical (macroscopic) behaviour under certain conditions
- (b) The conversion of classical computers into quantum computers using superconductors
- (c) The transfer of data between classical communication networks and satellite systems
- (d) The change in chemical reactions when materials are cooled below absolute zero

73. Perito Moreno Glacier, recently seen in news due to thinning, is located in which country?

- (a) Chile
- (b) Argentina
- (c) Peru
- (d) Bolivia

74. With reference to the Logistics Ease Across Different States (LEADS) Index, consider the following statements:

- 1. It is released by the Department for Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industry.
- 2. It evaluates the logistics ecosystem of States and Union Territories to improve supply chain efficiency.
- 3. The index ranks States only on the basis of port infrastructure and maritime connectivity.
- 4. States are classified into categories such as Leaders, Achievers, and Aspirers.

Which of the statements given above are correct?

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

75. With reference to the PM-SETU Scheme, consider the following statements:

- 1. PM-SETU stands for Prime Minister’s Scheme for Empowerment through Technology Upgradation.
- 2. The scheme aims to upgrade government Industrial Training Institutes (ITIs) through a Government-owned, Industry-managed model.
- 3. The scheme is implemented by the Ministry of Labour and Employment.
- 4. The scheme proposes a Hub-and-Spoke model where selected ITIs act as hubs connected to other ITIs as spokes.

Which of the statements given above are correct?

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

76. Match List I with List II regarding disputed islands/shoals in East and South China Seas:

List I (Island/Shoal)	List II (Countries Involved in Dispute)
A. Spratly Islands	1. China, Taiwan and Vietnam
B. Paracel Islands	2. China, Philippines and Taiwan
C. Scarborough Shoal	3. China, Taiwan, Vietnam, Philippines and Malaysia
D. Senkaku/Diaoyu Islands	4. Japan, China and Taiwan

Select the correct answer using the code below:

- (a) A-1, B-3, C-2, D-4
- (b) A-3, B-1, C-2, D-4
- (c) A-2, B-1, C-3, D-4
- (d) A-3, B-2, C-1, D-4



77. The Indrayani River, recently seen in news, is a tributary of which of the following rivers?

- (a) Godavari
- (b) Narmada
- (c) Bhima
- (d) Tapi

78. The “Weimar Triangle”, sometimes mentioned in news, is a cooperation forum among which of the following countries?

- (a) Germany, Italy and Spain
- (b) Germany, France and Poland
- (c) France, Poland and Ukraine
- (d) Germany, Poland and Hungary

79. The “Greenwald Limit”, recently mentioned in discussions on nuclear fusion research, refers to:

- (a) Maximum temperature limit beyond which nuclear reactors melt instantly
- (b) Maximum plasma density limit in a tokamak fusion reactor before instability occurs
- (c) Minimum energy required to start nuclear fission reactions in uranium fuel
- (d) The distance limit for placing solar panels around a nuclear power plant

80. With reference to the EU Carbon Border Adjustment Mechanism (CBAM), consider the following statements:

1. CBAM imposes tariffs on imports based on the carbon emissions embedded in their production.
2. CBAM applies to all categories of imported goods irrespective of their carbon intensity.
3. CBAM can be understood as a tool of economic statecraft as it serves both climate and trade-protective objectives simultaneously.

Which of the statements given above is/are correct?

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

- (d) 1, 2 and 3

81. With reference to “Climate Tipping Points”, consider the following statements:

1. A climate tipping point refers to a critical threshold beyond which small changes can lead to large and often irreversible shifts in the climate system.
2. Crossing one climate tipping point may trigger other tipping points, leading to cascading effects.
3. The Atlantic Meridional Overturning Circulation (AMOC) and Greenland ice sheet collapse are considered potential climate tipping elements.

Which of the statements given above are correct?

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

82. Consider the following statements regarding the relationship between government fiscal discipline and sovereign bond yields:

1. When investors perceive a government as credibly committed to fiscal consolidation, sovereign bond yields tend to decline, reducing borrowing costs across the broader economy.
2. Elevated fiscal deficits sustained over a long period tend to push up long-term sovereign bond yields as investors demand a higher risk premium.
3. A decline in a country's sovereign bond yield spread over US Treasury bonds necessarily indicates that the country's absolute bond yield has fallen.

Which of the statements given above is/are correct?

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

83. Match List I (Infrastructure Project) with List II (Key Feature):

List I	List II
A. Udhampur–Srinagar–Baramulla Rail Link (USBRL)	1. Connects Aizawl to the national railway network
B. Chenab Bridge	2. World’s highest railway arch bridge over a river
C. Bairabi–Sairang Rail Link	3. Provides rail connectivity linking Kashmir Valley with rest of India
D. Sonamarg (Z-Morh) Tunnel	4. All-weather access to Sonamarg and improved troop mobility to Ladakh

Select the correct answer using the code below:

- (a) A-3, B-2, C-1, D-4
- (b) A-2, B-3, C-1, D-4
- (c) A-3, B-1, C-2, D-4
- (d) A-1, B-2, C-4, D-3

84. Consider the following pairs of terms related to global trade and supply chains:

Term	Description
1. Friend-shoring	Relocating supply chains to geopolitically aligned partner countries
2. Near-shoring	Moving production closer to the home country to reduce logistics and geopolitical risks
3. Foreign-Direct Product Rules	Rules allowing a country to regulate goods made entirely outside its territory with no connection to its technology or equipment

How many of the pairs given above are correctly matched?

- (a) Only one
- (b) Only two

- (c) All three
- (d) None

85. Match List I with List II regarding pharmaceutical terms:

List I (Term)	List II (Meaning)
A. Bioavailability	1. Drug derived from living organisms designed to be similar to an existing biological medicine
B. Bioequivalence	2. Comparison showing two medicines have similar rate and extent of absorption
C. Biosimilars	3. Fraction of a drug that reaches systemic circulation unchanged

Select the correct answer using the code below:

- (a) A-1, B-3, C-2
- (b) A-2, B-1, C-3
- (c) A-3, B-2, C-1
- (d) A-3, B-1, C-2

86. Match List I with List II:

List I (Report/Index)	List II (Organisation)
A. Global Competitiveness Report	1. World Bank
B. Global Money Laundering Report	2. Financial Action Task Force
C. World Intellectual Property Report	3. World Economic Forum
D. Global Findex	4. World Intellectual Property Organization

Select the correct answer using the code below:

- (a) A-3, B-2, C-4, D-1
- (b) A-2, B-3, C-1, D-4
- (c) A-3, B-1, C-2, D-4
- (d) A-4, B-2, C-3, D-1

87. Match the following locations/conflicts with their correct description:

List I	List II
A. Cholistan Desert	1. Region linked to the India–China standoff near the Siliguri Corridor
B. Patani Conflict	2. Canal irrigation project area located in the western part of the Thar Desert
C. Doklam	3. Ethno-religious insurgency between Thai government and Malay-Muslim separatists
D. Blue Line	4. UN-demarcated withdrawal line between Israel and Lebanon

Select the correct answer using the code below:

- (a) A-2, B-3, C-1, D-4
- (b) A-3, B-1, C-2, D-4
- (c) A-1, B-4, C-3, D-2
- (d) A-2, B-4, C-1, D-3

88. With reference to the “Doctrine of Merger”, consider the following statements:

1. The doctrine means that once a higher court passes a judgment, the decision of the lower court merges into it.
2. The doctrine applies only when the appellate court reverses the decision of the lower court.
3. The doctrine helps maintain judicial hierarchy and finality of decisions.

Which of the statements given above are correct?

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

89. The Dayton Peace Agreement (1995), often mentioned in news, was signed to end which conflict?

- (a) Kosovo War
- (b) Bosnian War

- (c) Gulf War
- (d) Syrian Civil War

90. With reference to the Group of Seven (G7), consider the following statements:

1. The G7 was formed in 1975 as a forum for economic cooperation among major industrialized democracies.
2. Russia was a member from 1998 to 2014, during which the grouping was called the G8.
3. The European Union is a full member of the G7 with voting rights equal to other members.

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

91. With reference to the “UN80 Initiative”, consider the following statements:

1. It was launched in 2025 by the UN Secretary-General as the United Nations marked its 80th anniversary.
2. The initiative aims to streamline UN operations and improve efficiency of the organisation.
3. It focuses on reviewing UN mandates and exploring structural reforms within the UN system.

Which of the statements given above are correct?

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

92. The “Great Green Wall Initiative”, often mentioned in environmental discussions, is primarily aimed at:

- (a) Building a chain of hydroelectric dams across the Congo River basin
- (b) Restoring degraded land and combating

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desertification across the Sahel region of Africa

(c) Constructing a physical barrier to stop sandstorms from the Sahara Desert

(d) Creating a wildlife migration corridor across southern Africa

93. The K. Veeraswami judgment (1991), sometimes mentioned in discussions on judicial accountability, primarily dealt with:

(a) Prior approval of the Chief Justice of India before registering corruption cases against judges

(b) Mandatory approval of Parliament before appointing High Court judges across the country

(c) Compulsory retirement of Supreme Court judges after completing twenty-five years of service

(d) Requirement of judicial permission before conducting elections to Parliament and State Assemblies

94. With reference to the Special Intensive Revision (SIR) of electoral rolls in India, consider the following statements:

1. The Election Commission of India derives the power to supervise electoral roll preparation from Article 324 of the Constitution.

2. Under the Representation of the People Act, 1950, a person must be 18 years of age and ordinarily resident in a constituency to be registered as a voter.

3. The Representation of the People Act, 1951 provides the legal framework for preparation and revision of electoral rolls.

4. Electoral Registration Officers (EROs) responsible for electoral roll management are appointed under the Representation of the People Act, 1950.

Which of the statements given above are correct?

(a) 1 and 2 only

(b) 1, 2 and 4 only

(c) 1, 2 and 4 only

(d) 1, 2, 3 and 4

95. Match List I with List II regarding types of parliamentary motions:

List I (Type of Motion)	List II (Example / Feature)
A. Substantive Motion	1. Amendment to a bill or proposal
B. Substitute Motion	2. Alternative proposal moved in place of the original motion
C. Subsidiary Motion	3. Motion of Thanks or No-Confidence Motion

Select the correct answer using the code below:

(a) A-1, B-2, C-3

(b) A-3, B-2, C-1

(c) A-2, B-3, C-1

(d) A-3, B-1, C-2

96. With reference to the Urban Challenge Fund (UCF), consider the following statements:

1. It is a Centrally Sponsored Scheme under the Ministry of Housing and Urban Affairs aimed at promoting urban infrastructure development.

2. The scheme uses a challenge-based funding model, where cities compete for financial assistance.

3. Under the funding structure, at least 50% of project financing must be raised by cities or states from market sources.

4. The scheme provides 100% funding from the Central Government for selected projects.

Which of the statements given above are correct?

(a) 1 and 2 only

(b) 1, 2 and 3 only

(c) 1, 2 and 3 only

(d) 1, 2, 3 and 4

97. The islands known as "Takeshima" in Japan and "Dokdo" in South Korea are located in which of the following seas?

(a) East China Sea

(b) Philippine Sea

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- (c) Yellow Sea
- (d) Sea of Japan

98. With reference to Parul Mukherjee, consider the following statements:

1. She was associated with the revolutionary organisation Anushilan Samiti.
2. She played a role in mobilising and training women for revolutionary activities, including self-defence.
3. She was associated with the Comilla Chhatri Samiti, a student organisation involved in nationalist activities.
4. She was a leading member of the Hindustan Socialist Republican Association (HSRA) along with Bhagat Singh.

Which of the statements given above are correct?

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

99. With reference to the Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India (SHANTI) Act, 2025, consider the following statements:

1. The Act replaces both the Atomic Energy Act, 1962 and the Civil Liability for Nuclear Damage Act, 2010.
2. It allows Indian private companies and joint ventures to participate in building and operating nuclear power plants, subject to government approval.
3. The Act completely abolishes the no-fault liability principle for nuclear accidents.
4. The Act grants statutory status to the Atomic Energy Regulatory Board (AERB).

Which of the statements given above are correct?

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

100. With reference to the NAVYA Initiative, consider the following statements:

1. NAVYA stands for Nurturing Aspirations through Vocational Training for Young Adolescent Girls.
2. It is implemented jointly by the Ministry of Women and Child Development (MWCD) and the Ministry of Skill Development and Entrepreneurship (MSDE).
3. The initiative targets girls aged 10–14 years for vocational training.
4. The programme leverages existing skill schemes such as Pradhan Mantri Kaushal Vikas Yojana (PMKVY).

Which of the statements given above are correct?

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