SSC CGL T-I Similar Paper (Held on 23 Sep 2025 S2) - English

Q1. If 4 + 6 = 46 and 5 + 7 = 57, then 8 + 3 = ?
(a) 83
(b) 38
(c) 11
(d) 48
Ans.(a)

Q2. Find the missing term in the series.
2, 6, 12, 20, 30, ?
(a) 40
(b) 42
(c) 44
(d) 38
Ans.(b)

Q3. Choose the address that is the same as the one given below.
Sample Address: Flat No. 302, Green Valley, Sector 15, Noida, Uttar Pradesh - 201301
(a) Flat 302, Green Valley, Sector 15, Noida, Uttar Pradesh - 201301
(b) Flat No. 302, Green Valley, Sector 15, Noida, Uttar Pradesh - 201310
(c) Flat No. 302, Green Valley, Sector-15, Noida, Uttar Pradesh - 201301
(d) Flat No. 302, Green Valley, Sector 15, Noida, Uttar Pradesh - 201301
Ans.(d)

Q4. In a series of workshops held daily from 5 Mar 2023 to 12 Mar 2023: Delhi - 5 Mar, Jaipur - 6 Mar, Bhopal - 7 Mar, Lucknow - 8 Mar, Ranchi - 9 Mar, How many days after the workshop in Jaipur did the workshop in Ranchi occur?
(a) 2 days
(b) 3 days
(c) 4 days
(d) 5 days
Ans.(b)

Q5. The product of two numbers is 1800 and their HCF is 20. What is their LCM?
(a) 90
(b) 180
(c) 900
(d) 3600
Ans.(a)

Q6. A shopkeeper buys an item for ₹150. He wants 10% profit. What is the selling price?
(a) ₹160
(b) ₹165
(c) ₹170
(d) ₹155
Ans.(b)

Q7. 8 people contribute ₹50 each. 4 leave. What should each of the remaining pay to keep total same?
(a) ₹80
(b) ₹90
(c) ₹100
(d) ₹75
Ans.(c)

Q8. If 7 × 9 = 63 and 6 × 9 = 54, then 5 × 7 = ?
(a) 34
(b) 36
(c) 35
(d) 33
Ans.(c)

Q9. A car covers 150 km in 3 hours. What is its speed in km/hr?
(a) 40
(b) 45
(c) 50
(d) 55
Ans.(c)

Q10. Choose the different one.
(a) Android
(b) Windows
(c) macOS
(d) Oracle
Ans.(d)

Q11. If GAME is coded as HBNF, then PLAY will be coded as?
(a) QMBZ
(b) QLBZ
(c) QNBZ
(d) None of these
Ans.(a)

Q12. Which roll number has a digital root equal to 6?
(a) 888888
(b) 123456
(c) 999999
(d) 444444
Ans.(d)

Q13. If "TABLE" is written as "UBCMF", how will "CHAIR" be written?
(a) DJBJS
(b) BGHZQ
(c) DIBJS
(d) DIBIR
Ans.(c)

Q14. What comes next?
AB, CD, EF, ?
(a) GH
(b) FG
(c) HI
(d) IJ
Ans.(a)

Q15. If 9 : 81 and 8 : 64, then 7 : ?
(a) 48
(b) 49
(c) 56
(d) 42
Ans.(b)

Q16. What should come next?
7, 15, 31, 63, 127, ?
(a) 255
(b) 254
(c) 256
(d) 240
Ans.(a)

Q17. Complete the series:
5, 10, 20, 40, ?
(a) 60
(b) 70
(c) 80
(d) 75
Ans.(c)

Q18. What comes next in the series?
B, F, J, N, ?
(a) R
(b) Q
(c) S
(d) T
Ans.(a)

Q19. Find the missing number:
15^2: ?
(a) 215
(b) 225
(c) 235
(d) 245
Ans.(b)

Q20. In a code language: 'cat dog fish' = 'aaa, bbb, ccc' 'fish lion cat' = 'ccc, ddd, aaa' 'lion dog tiger' = 'ddd, bbb, eee'. What is the code for 'cat lion dog'?
(a) aaa, ddd, bbb
(b) ccc, aaa, bbb
(c) ddd, aaa, eee
(d) aaa, bbb, eee
Ans.(a)

Q21. Find the missing number: 32 : 5 :: 645 : ?
(a) 14
(b) 15
(c) 16
(d) 17
Ans.(b)

Q22. Statement:
1. Some pens are markers.
2. All markers are tools.
Conclusions:
I. Some pens are tools.
II. All tools are markers.
(a) Only I follows
(b) Only II follows
(c) Both follow
(d) Neither follows
Ans.(a)

Q23. Which pair belongs to the same examination centre (same first three digits)?
(a) 721345 and 721678
(b) 563214 and 564213
(c) 890123 and 891124
(d) 456789 and 457780
Ans.(a)

Q24. Find the word that can be formed from the letters of:
DEVELOPMENT
(a) Melt
(b) Tent
(c) Voting
(d) Moves
Ans.(a)

Q25. Statement:
1. Some X are Y.
2. All Y are Z.
3. No Z is W.
Conclusions:
I. Some X are not W.

II. No Y is W.
(a) Only I follows
(b) Only II follows
(c) Both follow
(d) Neither follows
Ans.(c)

Q26. Statement I: The city of Chennai is popularly known as the Detroit of India. Statement II: The city is a hub of the petrochemical industry and a leader in petrochemical product manufacturing in India. Which of the following Statements is/are CORRECT?
(a) Both Statements are correct, and Statement II is the correct explanation for Statement I
(b) Both Statements are correct, and Statement II is not the correct explanation of Statement I
(c) Statement I is correct, but Statement II is incorrect
(d) Statement I is incorrect, and Statement II is correct
Ans.(c)

Q27. Which of the following statements accurately reflects the biomechanical coordination during the throwing phase of discus throw?
(a) The shoulders and trunk continue rotating till 1 minute after the discus is released to maintain momentum
(b) The left foot remains fixed while the right foot rotates and stays straight throughout the motion
(c) Both knees stay straight during rotation, but the right knee bends after forward extension for balance
(d) The body's weight shifts entirely to the left foot while the right leg stabilizes the upper body lean
Ans.(a)

Q28. Dr. Tessy Thomas is also known as the 'Missile Woman of India'. She is best associated with which of the following achievements?
(a) Led Agni-V project; began career at LRDE
(b) Was Chairperson of ISRO
(c) Founded a private satellite company
(d) Headed HAL's aeronautics division
Ans.(a)

Q29. Who joined as the CEO of NITI Aayog in February 2023?
(a) Parameswaran Iyer
(b) V.K. Paul
(c) B.V.R. Subrahmanyam
(d) Amitabh Kant
Ans.(c)

Q30. Which of these statements is/are correct regarding the Census of India, 2011?
1. Muslims outnumber all other minorities in India, but they do not form a majority in any of the Indian states.
2. Christian population is distributed mostly in urban areas of India.
3. Jains have a major concentration in the urban areas of Rajasthan, Gujarat and Maharashtra, while the Buddhists are concentrated mostly in Maharashtra.
(a) 1 and 3 only
(b) 3 only
(c) 2 and 3 only
(d) 1 and 2 only

Ans.(b)

Q31. Which describes the "bunch start" position in sprinting?
(a) Blocks 25–30 inches from line, feet parallel
(b) Blocks 16–19 inches from line, rear toe and front heel aligned
(c) Hips below shoulders, arms bent
(d) Toes ahead of starting line
Ans.(b)

Q32. Assertion (A): One objective of liberalisation was to remove barriers to entry and growth of firms. Reason (R): The license raj restricted entrepreneurial freedom and market competition.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true
Ans.(a)

Q33. Under the BSA, 2023, oral evidence must be:
(a) Direct and related to what the witness saw or heard
(b) Based on assumptions
(c) Only admissible if in English
(d) Hearsay only
Ans.(a)

Q34. What was a key feature of the Industrial Policy Resolution of 1956?
(a) Full privatization
(b) Abolition of licensing
(c) Emphasis on small-scale industry
(d) Expansion of public sector
Ans.(d)

Q35. The World Competitiveness Index primarily assesses a country's ability to:
(a) Attract tourists
(b) Create and maintain an environment for enterprises to compete
(c) Innovation in cultural heritage
(d) Conserve natural resources
Ans.(b)

Q36. The Jagannath Temple in Puri is an example of which style of architecture?
(a) Dravidian
(b) Maratha
(c) Nagara (Kalinga)
(d) Vesara
Ans.(c)

Q37. Why is revenue deficit a concern for the economy?
(a) It increases productive investment
(b) It improves trade surplus

(c) It indicates borrowing for current spending
(d) It boosts capital creation
Ans.(c)

Q38. Which nuclear decay alters atomic number but not mass?
(a) Alpha Decay
(b) Beta Decay
(c) Gamma Decay
(d) Fission
Ans.(b)

Q39. The "Pradhan Mantri Awas Yojana - Urban (PMAY-U)" aims to address the housing shortage in urban areas. Which of the following approaches is a key component of this scheme to achieve its objectives?
(a) Primarily focusing on providing rental housing for migrant workers
(b) Providing financial assistance to beneficiaries for the construction, purchase, or enhancement of affordable housing
(c) Mandating the use of only indigenous building materials in all PMAY-U projects
(d) Concentrating housing development efforts in Tier-1 and Tier-2 cities
Ans.(b)

Q40. In the traditional accounts of Vijayanagara, who were referred to as narapati or "lord of men"?
(a) Mughals
(b) Deccan Sultans
(c) Cholas
(d) Rayas
Ans.(d)

Q41. Consider the following statements about 'The Golden Gate' by Vikram Seth:
1. The novel, written entirely in verse, was shortlisted for the Whitbread Book Award.
2. It won the Booker Prize for its expansive narrative on Indian society and culture.
3. The book was honored with the Sahitya Akademi Award.
(a) Only statement 1 is correct
(b) Only statement 2 is correct
(c) Statements 1 and 3 are correct
(d) 1, 2 and 3 all are correct
Ans.(c)

Q42. Which of the following is true about the Deogarh temple built in the early 6th century CE?
(a) It follows a panchayatana layout and is an early example of Nagara style
(b) It was built by Chandela rulers and faces east like most Hindu temples
(c) Its main deity is Shiva in the form of Mahadeo
(d) It is entirely rock-cut with vaulted interiors
Ans.(a)

Q43. In Carnatic music, which type of composition is most commonly performed during a concert, focusing on a fixed melody and rhythm?
(a) Varnam
(b) Kriti
(c) Raga Alapana

(d) Tillana
Ans.(b)

Q44. The Ilbert Bill controversy of 1883-84 was related to:
(a) The imposition of new taxes on agricultural produce
(b) The issue of allowing Indian judges to try European offenders in criminal cases
(c) The introduction of English as the medium of instruction in all schools
(d) The demarcation of boundaries between British India and princely states
Ans.(b)

Q45. Why "Space Situational Awareness (SSA)" program by ISRO important?
(a) Tracks energy usage in orbit
(b) Monitors space debris and protects Indian space assets
(c) Observes black holes in the deep sky
(d) Provides satellite TV services across Asia
Ans.(b)

Q46. Where was the 2nd Para Table Tennis National Ranking Championships 2024-25 held?
(a) Jaipur, Rajasthan
(b) Vadodara, Gujarat
(c) Pune, Maharashtra
(d) Indore, Madhya Pradesh
Ans.(d)

Q47. Which country helped develop Chabahar Port?
(a) China
(b) India
(c) Russia
(d) United States
Ans.(b)

Q48. Fill in the Blank: Dumhal dancers wear _____ during the performance.
(a) Colorful robes
(b) Masks
(c) Veils
(d) Bells
Ans.(a)

Q49. Which of the following scholars wrote the Ashtanga Sangraha?
(a) Charaka
(b) Sushruta
(c) Bhaskaracharya
(d) Vagbhata
Ans.(d)

Q50. Which tribal leader from Jharkhand led the 'Ulgulan' (Great Rebellion) movement against British exploitation of tribal lands?
(a) Sidhu Murmu
(b) Kanhu Murmu
(c) Birsa Munda
(d) Tilka Manjhi
Ans.(c)

Q51. If the selling price of an item is increased by 25% and the profit also increases from 20% to 30%, what is the percentage increase in the cost price?
(a) 4.5%
(b) 5.6%
(c) 10.28%
(d) 15.38%
Ans.(d)

Q52. The number of students in two sections A and B having different heights is shown in the table given below:

Height (in metres)	Section A	Section B
1.55	6	5
1.60	10	0
1.62	14	15
1.65	16	11
1.68	9	8
1.71	7	6
1.75	5	4

What is the ratio of the number of students with a height of 1.62 metres in Section A to the total number of students in Section A?
(a) 14 : 67
(b) 14 : 62
(c) 1 : 4
(d) 7 : 33
Ans.(a)

Q53. A computer is sold at Rs. 7650 after applying a 15% discount. What was its market price?
(a) Rs. 8500
(b) Rs. 8800
(c) Rs. 9000
(d) Rs. 9500
Ans.(c)

Q54. A group of 6 students went on a trip and spent Rs. 1200 in total. If one of them spent Rs. 300 while the rest spent equally, what was the average spending of the other 5 students?
(a) Rs. 180
(b) Rs. 200
(c) Rs. 220
(d) Rs. 240
Ans.(a)

Q55. A square has a perimeter of 100 cm. What is the area of the square?
(a) 652 cm²
(b) 892 cm²
(c) 625 cm²
(d) 825 cm²
Ans.(c)

Q56. A chord is drawn in a circle with a radius of 15 cm. If the distance of the chord from the center is 9 cm, what is the length of the chord?
(a) 12 cm
(b) 15 cm
(c) 24 cm
(d) 30 cm
Ans.(c)

Q57. If the difference between the interior and exterior angles of a regular polygon is 100°, find the number of sides of the polygon.
(a) 9
(b) 10
(c) 11
(d) 12
Ans.(a)

Q58. A student took 7 tests and had an average of 72. If his average after 8 tests increased to 73, what was his score on the 8th test?
(a) 79
(b) 78
(c) 80
(d) 81
Ans.(c)

Q59. If $\sin x = \cos(x + 20°)$, then what is the value of x?
(a) 35°
(b) 25°
(c) 18°
(d) 20°
Ans.(a)

Q60. Convert 0.5 radians to degrees.
(a) 25.7°
(b) 28.65°
(c) 45.24°
(d) 57.3°
Ans.(b)

Q61. A square field has a diagonal of √98 m. What is its area?
(a) 48 m²
(b) 49 m²
(c) 50 m²
(d) 52 m²
Ans.(b)

Q62. A value is increased by 30% and then decreased by an unknown percentage to return to the original value. What is the percentage decrease required?
(a) 23.08%
(b) 26.92%
(c) 30.26%
(d) 20.22%
Ans.(a)

Q63. Solve: $\sqrt{5 \times 196 \div 14 + 25 - 4}$
(a) √91
(b) √81
(c) √71
(d) √41
Ans.(a)

Q64. A rectangular fish tank with a base of 100 cm × 50 cm contains water up to a height of 20 cm. If 5 identical spherical stones, each with a radius of 5 cm, are dropped into the tank and fully submerged, what is the rise in the water level?
(a) π/10 cm
(b) π/6 cm
(c) π/5 cm
(d) π/3 cm
Ans.(b)

Q65. A man reduces his speed from 20 kmph to 18 kmph. So, he takes 8 minutes more than the normal time. What is the distance traveled by him?
(a) 20 km
(b) 21 km
(c) 22 km
(d) 24 km
Ans.(d)

Q66. A store announces a festive deal: "Get 30% off on purchases above Rs. 10,000, and an additional Rs. 1,000 off if the total after discount exceeds Rs. 15,000." A customer buys items worth Rs. 25,000. How much does the customer finally pay?
(a) Rs. 16,500
(b) Rs. 17,500
(c) Rs. 16,000
(d) Rs. 17,000
Ans.(a)

Q67. If 10 men or 15 women can complete a work in 170 days, how long will 20 men and 20 women take for completing the same work?
(a) 52 days
(b) 50 days
(c) 51 days
(d) 53 days
Ans.(c)

Q68. For a triangle with one interior angle greater than 90°, where is its Orthocenter located?
(a) On one of the sides of the triangle.
(b) Outside the triangle.
(c) Inside the triangle.
(d) At one of the vertices of the triangle.
Ans.(b)

Q69. A point P is outside a circle. The length of the tangent from P is 10 cm, and the distance from P to the center is √125 cm. What is the radius of the circle?
(a) 5 cm
(b) 10 cm
(c) √5 cm
(d) √15 cm
Ans.(a)

Q70. A 50-liter solution contains acid and water in the ratio 3:2. How much water must be added to make the ratio 1:1?
(a) 5 L
(b) 10 L
(c) 15 L
(d) 20 L
Ans.(b)

Q71. If sinA = 4/5 and A lies in 2nd quadrant, find the value of (1 + tanA)(1–tanA).
(a) -9/25
(b) 16/25
(c) 1/9
(d) -7/9
Ans.(d)

Q72. A solution of 100 litres has a 60% salt concentration. How many litres of water must be added to reduce the concentration to 40%, and then how much pure salt must be added to bring the concentration back to 50%?
(a) Add 50 L of water, then 30 L of salt
(b) Add 90 L of water, then 70 L of salt
(c) Add 70 L of water, then 30 L of salt
(d) Add 50 L of water, then 10 L of salt
Ans.(a)

Q73. A kite is soaring at an altitude of 75 meters above the ground, with its string temporarily secured to a point on the ground. The angle of elevation of the string relative to the ground is 30 degrees. Given that the string remains taut, what is the length of the string?
(a) 75 m
(b) 75√3 m
(c) 150 m
(d) 150√3 m
Ans.(c)

Q74. Partners X and Y invest Rs. 60,000 and Rs. 90,000 respectively. X works for 6 months, Y for 4 months. Profit is divided based on capital (×) time. Find their profit ratio.
(a) 2:3
(b) 1:1
(c) 3:2
(d) 4:5
Ans.(b)

Q75. A sum amounts to ₹6,600 in 2 years and ₹7,200 in 4 years at simple interest. What is the rate of interest per annum?
(a) 6%
(b) 8%
(c) 5%
(d) 9%
Ans.(c)

Q76. Change the following from active to passive:
The auditors will not have submitted the compliance report by the deadline.
(a) The compliance report will not be submitted by the auditors by the deadline.
(b) The compliance report would not have been submitted by the auditors by the deadline.
(c) The compliance report will not have been submitted by the auditors by the deadline.
(d) The compliance report has not been submitted by the auditors by the deadline.
Ans.(c)

Q77. Choose the correct one-word substitute for: 'Lasting for only a very short time; transitory.'
(a) Perpetual
(b) Immutable
(c) Ephemeral
(d) Perennial
Ans.(c)

Q78. Convert the sentence provided below from its passive voice structure to an active voice structure:
No formal objections were seen to have been raised by the delegates against the revised charter.
(a) It was seen that the delegates raised formal objections against the revised charter.
(b) The delegates were seen raising no formal objections against the revised charter.
(c) It was seen that the delegates had raised no formal objections against the revised charter.
(d) It was seen that the delegates had made no formal objections to the revised charter.
Ans.(c)

Q79. Fill in the blank with the correctly spelt word.
The critic questioned the highly _____ lens through which the biography had been written.
(a) subjectiv
(b) subjictive
(c) subjecteve
(d) subjective
Ans.(d)

Q80. Find the part of the sentence that contains an error:
The committees submitted their individual advices (1)/ to the ministerial panel (2)/ before the policy document (3)/ was tabled in Parliament. (4)
(a) (1)
(b) (2)
(c) (3)
(d) (4)
Ans.(a)

Q81. Select the sentence containing the homonym of the highlighted word:
The ancient oak's bark was deeply furrowed and grey.
(a) The ranger stripped the bark from a fallen pine to make a torch.
(b) The dog began to bark at the approaching stranger.
(c) She ran her fingers along the rough bark of the cedar tree.
(d) Thick layers of bark protected the trunk from the forest fire.
Ans.(b)

Q82. Fill in the blanks with the appropriate article.
In _____ era of unprecedented digital connectivity and _____ proliferation of unverified information, critical thinking has become an indispensable civic skill.
(a) a, a
(b) the, the
(c) an, the
(d) an, a
Ans.(c)

Q83. Select the most appropriate synonym of the given word: AWRY
(a) Aligned
(b) Orderly
(c) Askew
(d) Symmetrical
Ans.(c)

Q84. Choose the correct one-word substitute for: 'A mild or indirect expression substituted for one that might be considered too harsh or blunt when referring to something unpleasant'.
(a) Aphorism
(b) Hyperbole
(c) Euphemism
(d) Epithet
Ans.(c)

Q85. Choose the most suitable option to replace the highlighted part of the sentence:
The principal instructed to the teaching staff to submit their lesson plans by Friday.
(a) instructed the teaching staff for submitting
(b) gave instruction to the staff for submitting
(c) instructed the teaching staff to submit
(d) instructed to teaching staff to submit
Ans.(c)

Q86. Rearrange the following sentences to form a coherent paragraph:
1. Strategies such as green roofing, urban forestry, and reflective pavements have been proposed to counteract this warming effect.
2. The urban heat island effect describes the phenomenon whereby cities experience significantly higher temperatures than surrounding rural areas.
3. This thermal disparity arises primarily from the concentration of heat-absorbing surfaces like asphalt and concrete, coupled with reduced vegetation.
4. Without targeted intervention, escalating urban temperatures are projected to worsen public health outcomes and increase energy consumption.
(a) 1, 3, 4, 2
(b) 3, 2, 1, 4
(c) 2, 3, 1, 4
(d) 4, 1, 2, 3
Ans.(c)

Q87. Which of these is the correct spelling of a critique of metaphysical assumptions?
(a) Phenomological
(b) Phenomenologicle
(c) Phenomenological
(d) Fenomenological
Ans.(c)

Q88. Choose the correct meaning of idiom:
Cut me dead
(a) Criticised me harshly in public
(b) Terminated my contract abruptly
(c) Ignored me deliberately
(d) Reduced my salary without warning
Ans.(c)

Q89. What does the author mean by the phrase “existential hedge against planetary catastrophe”?
Read the following passage and answer the questions based on the passage:
The prospect of colonising Mars, long dismissed as the province of science fiction and utopian fantasy, is today the subject of earnest scientific inquiry and substantial corporate investment. The Red Planet, once regarded merely as a distant celestial curiosity, has now become the centrepiece of humanity's interplanetary ambitions. Space agencies and private enterprises alike have announced an array of bold initiatives: NASA's Moon-to-Mars architecture, the European Space Agency's Aurora Programme, and SpaceX's Starship project collectively embody a growing consensus that Martian settlement is not merely conceivable but operationally feasible within this century. Central to these missions is the challenge of sustaining human life across the 54-million-kilometre void—a feat demanding

breakthroughs in propulsion technology, closed-loop life-support systems, and radiation-hardened habitat design. The Martian atmosphere, composed predominantly of carbon dioxide and exerting only about one percent of Earth's atmospheric pressure, renders conventional breathing impossible and exposes settlers to lethal doses of solar and galactic radiation. However, in-situ resource utilisation (ISRU) technology offers a partial remedy: converting Martian CO_2 and subsurface water ice into breathable oxygen and rocket propellant, dramatically reducing the payload burden of Earth-launched supply missions. Governance poses an equally formidable challenge. The 1967 Outer Space Treaty, crafted during the Cold War, explicitly prohibits national appropriation of celestial bodies, yet is conspicuously silent on private property rights and corporate resource extraction—a lacuna that could precipitate jurisdictional disputes as commercial actors intensify their Martian interests. Psychological and physiological tolls of a minimum two-year round trip, including prolonged microgravity exposure and isolation-induced cognitive decline, further compound mission planners' concerns. Yet proponents argue that just as the colonisation of the New World—for all its ethical complexities—irrevocably expanded civilisation's horizons, the settlement of Mars represents an existential hedge against planetary catastrophe and an unprecedented catalyst for scientific discovery. Whether Mars becomes humanity's second home or remains a monument to terrestrial aspiration ultimately depends on the convergence of political will, technological ingenuity, and cross-border cooperation on an unprecedented scale.

(a) A financial investment strategy for space companies
(b) A backup for human survival should Earth become uninhabitable
(c) A political argument for international space cooperation
(d) A scientific method for predicting natural disasters

Ans.(b)

Q90. According to the passage, what is the primary function of in-situ resource utilisation (ISRU) technology in Mars missions?

Read the following passage and answer the questions based on the passage:

The prospect of colonising Mars, long dismissed as the province of science fiction and utopian fantasy, is today the subject of earnest scientific inquiry and substantial corporate investment. The Red Planet, once regarded merely as a distant celestial curiosity, has now become the centrepiece of humanity's interplanetary ambitions. Space agencies and private enterprises alike have announced an array of bold initiatives: NASA's Moon-to-Mars architecture, the European Space Agency's Aurora Programme, and SpaceX's Starship project collectively embody a growing consensus that Martian settlement is not merely conceivable but operationally feasible within this century. Central to these missions is the challenge of sustaining human life across the 54-million-kilometre void—a feat demanding breakthroughs in propulsion technology, closed-loop life-support systems, and radiation-hardened habitat design. The Martian atmosphere, composed predominantly of carbon dioxide and exerting only about one percent of Earth's atmospheric pressure, renders conventional breathing impossible and exposes settlers to lethal doses of solar and galactic radiation. However, in-situ resource utilisation (ISRU) technology offers a partial remedy: converting Martian CO_2 and subsurface water ice into breathable oxygen and rocket propellant, dramatically reducing the payload burden of Earth-launched supply missions. Governance poses an equally formidable challenge. The 1967 Outer Space Treaty, crafted during the Cold War, explicitly prohibits national appropriation of celestial bodies, yet is conspicuously silent on private property rights and corporate resource extraction—a lacuna that could precipitate jurisdictional disputes as commercial actors intensify their Martian interests. Psychological and physiological tolls of a minimum two-year round trip, including prolonged microgravity exposure and isolation-induced cognitive decline, further compound mission planners' concerns. Yet proponents argue that just as the colonisation of the New World—for all its ethical complexities—irrevocably expanded civilisation's horizons, the settlement of Mars represents an existential hedge against planetary catastrophe and an unprecedented catalyst for scientific discovery. Whether Mars becomes humanity's second home or remains a monument to terrestrial aspiration ultimately depends on the convergence of political will, technological ingenuity, and cross-border cooperation on an unprecedented scale.

(a) To construct artificial gravity systems for settlers
(b) To transmit data faster between Mars and Earth

(c) To produce breathable oxygen and rocket propellant from Martian resources
(d) To terraform the Martian surface with vegetation
Ans.(c)

Q91. Which of the following is NOT stated as a challenge to Mars colonisation in the passage?
Read the following passage and answer the questions based on the passage:
The prospect of colonising Mars, long dismissed as the province of science fiction and utopian fantasy, is today the subject of earnest scientific inquiry and substantial corporate investment. The Red Planet, once regarded merely as a distant celestial curiosity, has now become the centrepiece of humanity's interplanetary ambitions. Space agencies and private enterprises alike have announced an array of bold initiatives: NASA's Moon-to-Mars architecture, the European Space Agency's Aurora Programme, and SpaceX's Starship project collectively embody a growing consensus that Martian settlement is not merely conceivable but operationally feasible within this century. Central to these missions is the challenge of sustaining human life across the 54-million-kilometre void—a feat demanding breakthroughs in propulsion technology, closed-loop life-support systems, and radiation-hardened habitat design. The Martian atmosphere, composed predominantly of carbon dioxide and exerting only about one percent of Earth's atmospheric pressure, renders conventional breathing impossible and exposes settlers to lethal doses of solar and galactic radiation. However, in-situ resource utilisation (ISRU) technology offers a partial remedy: converting Martian CO_2 and subsurface water ice into breathable oxygen and rocket propellant, dramatically reducing the payload burden of Earth-launched supply missions. Governance poses an equally formidable challenge. The 1967 Outer Space Treaty, crafted during the Cold War, explicitly prohibits national appropriation of celestial bodies, yet is conspicuously silent on private property rights and corporate resource extraction—a lacuna that could precipitate jurisdictional disputes as commercial actors intensify their Martian interests. Psychological and physiological tolls of a minimum two-year round trip, including prolonged microgravity exposure and isolation-induced cognitive decline, further compound mission planners' concerns. Yet proponents argue that just as the colonisation of the New World—for all its ethical complexities—irrevocably expanded civilisation's horizons, the settlement of Mars represents an existential hedge against planetary catastrophe and an unprecedented catalyst for scientific discovery. Whether Mars becomes humanity's second home or remains a monument to terrestrial aspiration ultimately depends on the convergence of political will, technological ingenuity, and cross-border cooperation on an unprecedented scale.
(a) Lethal radiation exposure
(b) Absence of adequate atmospheric pressure
(c) Scarcity of scientific interest from global governments
(d) Psychological effects of prolonged isolation
Ans.(c)

Q92. What legal concern regarding Mars colonisation does the author highlight?
Read the following passage and answer the questions based on the passage:
The prospect of colonising Mars, long dismissed as the province of science fiction and utopian fantasy, is today the subject of earnest scientific inquiry and substantial corporate investment. The Red Planet, once regarded merely as a distant celestial curiosity, has now become the centrepiece of humanity's interplanetary ambitions. Space agencies and private enterprises alike have announced an array of bold initiatives: NASA's Moon-to-Mars architecture, the European Space Agency's Aurora Programme, and SpaceX's Starship project collectively embody a growing consensus that Martian settlement is not merely conceivable but operationally feasible within this century. Central to these missions is the challenge of sustaining human life across the 54-million-kilometre void—a feat demanding breakthroughs in propulsion technology, closed-loop life-support systems, and radiation-hardened habitat design. The Martian atmosphere, composed predominantly of carbon dioxide and exerting only about one percent of Earth's atmospheric pressure, renders conventional breathing impossible and exposes settlers to lethal doses of solar and galactic radiation. However, in-situ resource utilisation (ISRU) technology offers a partial remedy: converting Martian CO_2 and subsurface water ice into breathable oxygen and rocket propellant, dramatically reducing the payload burden

of Earth-launched supply missions. Governance poses an equally formidable challenge. The 1967 Outer Space Treaty, crafted during the Cold War, explicitly prohibits national appropriation of celestial bodies, yet is conspicuously silent on private property rights and corporate resource extraction—a lacuna that could precipitate jurisdictional disputes as commercial actors intensify their Martian interests. Psychological and physiological tolls of a minimum two-year round trip, including prolonged microgravity exposure and isolation-induced cognitive decline, further compound mission planners' concerns. Yet proponents argue that just as the colonisation of the New World—for all its ethical complexities—irrevocably expanded civilisation's horizons, the settlement of Mars represents an existential hedge against planetary catastrophe and an unprecedented catalyst for scientific discovery. Whether Mars becomes humanity's second home or remains a monument to terrestrial aspiration ultimately depends on the convergence of political will, technological ingenuity, and cross-border cooperation on an unprecedented scale.

(a) The absence of any treaty governing outer space activities
(b) The 1967 Outer Space Treaty's silence on private property and corporate resource rights
(c) A binding UN resolution banning private Mars missions
(d) Conflicting national laws on astronaut liability

Ans.(b)

Q93. . Which of the following best captures the overall tone of the passage?

Read the following passage and answer the questions based on the passage:

The prospect of colonising Mars, long dismissed as the province of science fiction and utopian fantasy, is today the subject of earnest scientific inquiry and substantial corporate investment. The Red Planet, once regarded merely as a distant celestial curiosity, has now become the centrepiece of humanity's interplanetary ambitions. Space agencies and private enterprises alike have announced an array of bold initiatives: NASA's Moon-to-Mars architecture, the European Space Agency's Aurora Programme, and SpaceX's Starship project collectively embody a growing consensus that Martian settlement is not merely conceivable but operationally feasible within this century. Central to these missions is the challenge of sustaining human life across the 54-million-kilometre void—a feat demanding breakthroughs in propulsion technology, closed-loop life-support systems, and radiation-hardened habitat design. The Martian atmosphere, composed predominantly of carbon dioxide and exerting only about one percent of Earth's atmospheric pressure, renders conventional breathing impossible and exposes settlers to lethal doses of solar and galactic radiation. However, in-situ resource utilisation (ISRU) technology offers a partial remedy: converting Martian CO_2 and subsurface water ice into breathable oxygen and rocket propellant, dramatically reducing the payload burden of Earth-launched supply missions. Governance poses an equally formidable challenge. The 1967 Outer Space Treaty, crafted during the Cold War, explicitly prohibits national appropriation of celestial bodies, yet is conspicuously silent on private property rights and corporate resource extraction—a lacuna that could precipitate jurisdictional disputes as commercial actors intensify their Martian interests. Psychological and physiological tolls of a minimum two-year round trip, including prolonged microgravity exposure and isolation-induced cognitive decline, further compound mission planners' concerns. Yet proponents argue that just as the colonisation of the New World—for all its ethical complexities—irrevocably expanded civilisation's horizons, the settlement of Mars represents an existential hedge against planetary catastrophe and an unprecedented catalyst for scientific discovery. Whether Mars becomes humanity's second home or remains a monument to terrestrial aspiration ultimately depends on the convergence of political will, technological ingenuity, and cross-border cooperation on an unprecedented scale.

(a) Dismissive of private enterprises involved in space exploration
(b) Unconditionally optimistic about imminent Martian settlement
(c) Cautiously hopeful, acknowledging both progress and persistent obstacles
(d) Deeply sceptical about the feasibility of any human presence on Mars

Ans.(c)

Q94. A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.
The coach said to the players, "Practise your drills every morning to improve your stamina."
(a) The coach said the players practise drills every morning.
(b) The coach told the players to practised their drills every morning to improve their stamina.
(c) The coach asked the players that they must practise drills every morning.
(d) The coach advised the players to practise their drills every morning to improve their stamina.
Ans.(d)

Q95. Spot the correct spelling of verbose roundabout speech.
(a) Circumloccution
(b) Circumlocusion
(c) Circuumlocution
(d) Circumlocution
Ans.(d)

Q96. Rearrange the following sentences in correct order to make a logical passage.
1. Regulatory agencies then conduct independent reviews before granting approval for widespread public use.
2. The development of a vaccine typically begins with extensive laboratory research to identify a suitable antigen.
3. Clinical trials across three phases are subsequently conducted to assess the vaccine's safety, efficacy, and optimal dosage.
4. Post-approval surveillance continues to monitor for any long-term adverse effects within the broader population.
(a) 2-1-3-4
(b) 2-3-1-4
(c) 3-2-4-1
(d) 1-2-3-4
Ans.(b)

Q97. Rearrange the following sentences to form a coherent paragraph:
1. Establishing transparent accountability mechanisms is therefore essential to prevent the misuse of algorithmic decision-making.
2. Artificial intelligence is increasingly being deployed across critical sectors such as healthcare, finance, and criminal justice.
3. When these systems produce biased or erroneous outcomes, it can be difficult to identify the responsible party.
4. The rapid pace of AI adoption has outstripped the development of adequate regulatory frameworks in most jurisdictions.
(a) 4, 2, 3, 1
(b) 2, 4, 3, 1
(c) 1, 3, 4, 2
(d) 3, 2, 1, 4
Ans.(b)

Q98. Choose the correct meaning of idiom:
Break one's duck
(a) To withdraw from a competition midway
(b) Achieve a first success after previous failures
(c) To cause irreparable damage to a relationship
(d) To revert to old unproductive habits

Ans.(b)

Q99. Select the correct option for the Direct Speech conversion of the sentence below.
He remarked that, had the expedition team been better equipped, they might still have reached the summit before nightfall.
(a) He said, “If the expedition team was better equipped, they may still reach the summit before nightfall.”
(b) He said, “Had the expedition team been better equipped, they must still have reached the summit before nightfall.”
(c) He said, “Had the expedition team been better equipped, they might still have reached the summit before nightfall.”
(d) He said, “If the expedition team had been better equipped, they will still reach the summit before nightfall.”
Ans.(c)

Q100. Select the most appropriate antonym of the given word: Lugubrious
(a) Disconsolate
(b) Buoyant
(c) Lachrymose
(d) Doleful
Ans.(b)