SSC ONLINE EXAMINATION

CANDIDATE RESPONSE SHEET/GRIEVANCE SYSTEM

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| Exam Level | : | Combined Graduate Level Examination, 2026 |
| Test Date | : | 14 Oct 2026 |
| Test Time and Shift | : | 10:00 AM (Shift-1) |

Correct Option (official answer key)

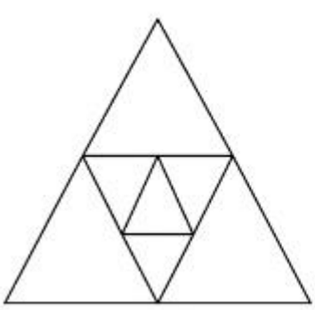
## PART-A (General Intelligence and Reasoning)

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| Q.No: 1 | A biotechnology firm observed that teams using advanced simulation software completed drug-development projects faster than teams using conventional modeling techniques. The firm concluded that the software itself caused the increase in efficiency.<br><br>Which of the following, if true, would most weaken the firm's conclusion? |
| | Teams using the software were assigned less complex projects than the other teams. |
| | Advanced simulation software requires expensive licensing fees. |
| | Conventional modeling techniques are still used in several laboratories. |
| | Employees reported positive experiences while using the software. |

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| Q.No: 2 | A hospital implemented electronic prescription systems and later observed fewer medication errors. Administrators concluded that electronic prescriptions directly reduced such errors.<br><br>Which of the following, if true, would most strengthen the administrators' conclusion? |

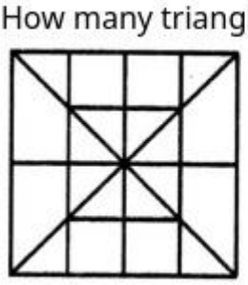
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| | Electronic systems automatically flagged harmful drug interactions. |
| | Several hospitals expanded emergency care facilities recently. |
| | Medication demand increased during seasonal illness outbreaks. |
| | The hospital changed its medication error reporting policy after the system was installed. |

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| Q.No: 3 | A hotel chain introduced mobile room-key access through smartphones and later received higher guest satisfaction ratings. Executives concluded that mobile key access directly improved guest experience.<br><br>Which of the following, if true, would most strengthen the executives' conclusion? |
| | Guests using mobile keys reported shorter check-in waiting times. |
| | Hotel occupancy increased during holiday travel seasons. |
| | Smartphone usage expanded significantly among business travelers. |
| | Several hotels upgraded restaurant facilities during the year. |

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| Q.No: 4 | How many triangles are there in the given figure?<br> |

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| | 6 |
| | 8 |
| | 9 |
| | 10 |

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| Q.No: 5 | In a row of people, Rahul is 11th from the left, and Aman is 10th from the right. After exchanging places, Rahul becomes 25th from the left. Find the total number of people. |
| | 32 |
| | 34 |
| | 36 |
| | 38 |

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| Q.No: 6 | How many triangles are formed in the given figure?<br> |
| | 12 |

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| | 18 |
| | 24 |
| | 28 |

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| Q.No: 7 | Complete the pattern in fig. (X) by selecting one of the figures from the four alternatives :<br>Figure(X):<br> |
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| Q.No: 8 | If 5 Δ 4 = 41 and 7 Δ 3 = 58, then find the value of 9 Δ 2. |
| | 97 |
| | 85 |
| | 73 |
| | 92 |

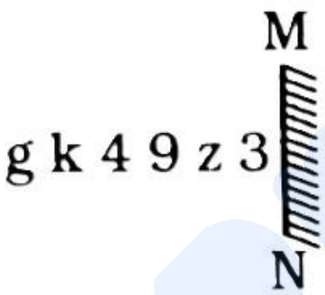
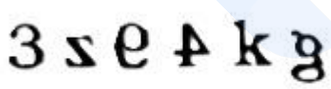
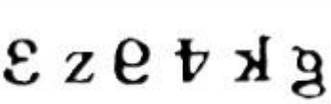
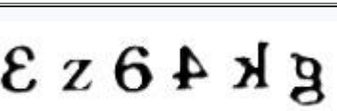
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| Q.No: 9 | **Choose the correct sequence of mathematical operators to replace the asterisks (*) in order to make the following expression a valid equation.**<br>96 * 6 * 3 * 45 * 3 * 63 |
| | ÷, ×, +, ÷, = |
| | +, ÷, −, ×, = |
| | ×, +, ÷, −, = |
| | ÷, ×, −, ×, = |

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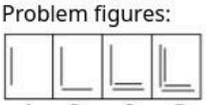
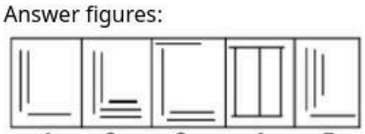
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| Q.No: 10 | In the following question, one statement is given, followed by certain inferences. Consider the statement to be true even if it seems to contradict commonly known facts. Read the inferences carefully and decide which of them logically follow from the given statement.<br>**Statement:**<br>In a T-20 cricket match, the number of runs scored by the Indian team was 212 and out of these, 160 runs were scored by spinners.<br>**Inferences:**<br>I. 10% of the Indian team consists of spinners.<br>II. The opening batters were spinners. |
| | Only Inference I follows. |
| | Only Inference II follows. |
| | Both Inferences I and II follow. |
| | Neither Inference I nor Inference II follows. |

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| Q.No: 11 | After failing an important entrance exam, a student tells themselves, "I always fail at everything I try. I am never going to succeed in life." This specific pattern of negative thinking demonstrates which of the following mental habits? |
| | High emotional regulation, as they are actively assessing their overall life outcomes. |
| | A cognitive distortion known as overgeneralization, where a single negative event is viewed as a never-ending pattern of defeat. |
| | Practical empathy, as they are demonstrating a deep, compassionate understanding of their own failures. |
| | Active listening, as they are carefully tuning into their internal emotional thoughts and processing them constructively. |

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| Q.No: 12 | During a department-wide meeting, a colleague receives sole praise from top management for a successful project that was actually a collaborative team effort. You immediately feel a wave of intense resentment.<br><br>Which of the following actions demonstrates the most emotionally intelligent first step? |
| | Interrupt immediately to publicly correct the manager and demand equal credit. |
| | Suppress your irritation entirely, force a smile, and pretend it does not bother you. |
| | Pause to process your resentment and its trigger before finding a constructive solution. |
| | Wait until the meeting ends to vent to other teammates about how selfish the colleague is. |

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| Q.No: 13 | If a mirror is placed on the line XY, which figure will be the mirror image of the question figure?<br><br> |
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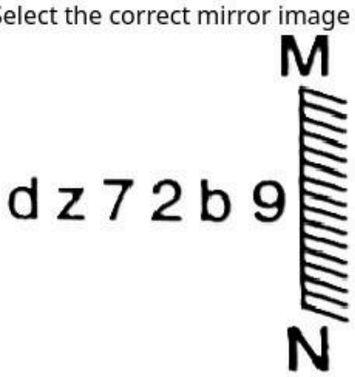
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| Q.No: 14 | The following question consists of four Problem Figures marked A, B, C and D and five Answer Figures marked 1, 2, 3, 4 and 5. Select a figure from amongst the Answer Figures which will continue the series established by the four Problem Figures.<br>Problem figures:<br><br>A B C D<br>Answer figures:<br><br>1 2 3 4 5 |
| | 1 |
| | 2 |
| | 3 |
| | 5 |

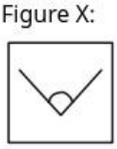
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| Q.No: 15 | Which of the following rows/columns are connected/related with each other in some way? |

| Rows | Columns | | | | |
|---|---|---|---|---|---|
| | I | II | III | IV | V |
| 1 | 9 | 729 | 11 | 64 | 81 |
| 2 | 8 | 512 | 8 | 25 | 64 |
| 3 | 7 | 343 | 9 | 36 | 49 |
| 4 | 6 | 216 | 7 | 16 | 36 |
| 5 | 5 | 125 | 6 | 9 | 25 |

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| | Columns II, III and V |
| | Columns I, III and IV |

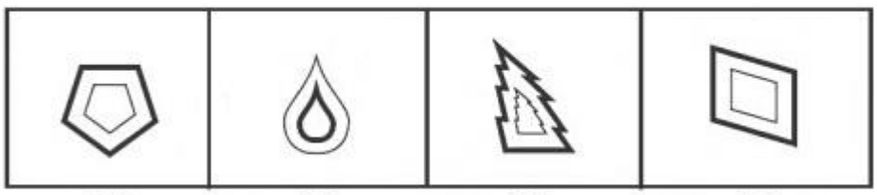
| | |
|---|---|
| | Columns II, IV and V |
| | Columns I, II and V |

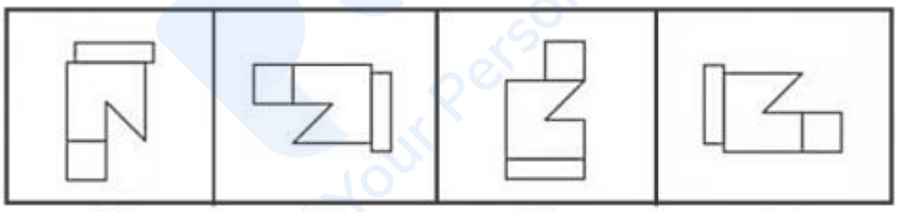
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| Q.No: 16 | Select the correct mirror image of the given combination when the mirror is placed at MN as shown.<br> |
| | 6 d 2 ٢ ƨ b |
| | 6 q 2 ∠ z p |
| | e b ƨ ٢ z b |
| | e d ƨ ٢ ƨ b |

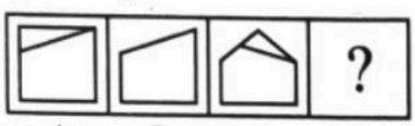
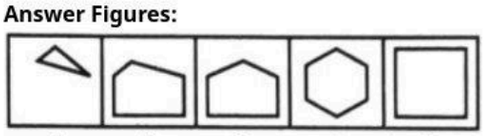
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| Q.No: 17 | Carefully observe Figure (X) and identify the option figure in which Figure (X) is embedded exactly as shown.<br>Figure X:<br> |

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| Q.No: 18 | In an office of 60 employees, 40 like Tea and 35 like Coffee. Based on this data alone, what are the mathematical minimum and maximum numbers of employees who could like **BOTH** Tea and Coffee? |
| | Minimum: 15, Maximum: 35 |
| | Minimum: 0, Maximum: 35 |
| | Minimum: 15, Maximum: 40 |
| | Minimum: 5, Maximum: 35 |

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| Q.No: 19 | Choose the figure that does NOT follow the same rule.<br><br>(A) (B) (C) (D) |
| | A |
| | B |
| | C |
| | D |

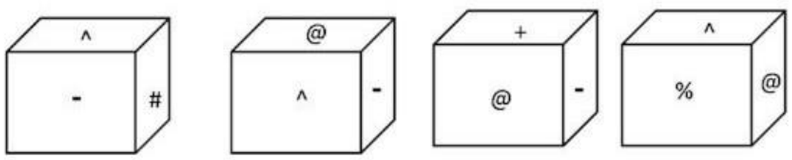
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| Q.No: 20 | Look through all the figures and determine the one that stands out as different.<br><br>(A) (B) (C) (D) |
| | A |
| | B |
| | C |
| | D |

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| Q.No: 21 | **In the following question, there is a specific relationship between the first two figures. Establish a similar relationship between the third and fourth figures by selecting a suitable figure from the given Answer Figures to replace the question mark (?).**<br>**Question Figures:**<br><br><br>**Answer Figures:**<br><br> |
| | 2 |
| | 1 |
| | 3 |
| | 4 |

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| Q.No: 22 | Scenario: In a tense multi-party workplace negotiation, Manager X has maintained a strictly neutral public stance to keep the peace between Team Y and Team Z. However, Manager X privately realizes that Team Z's proposal is objectively more viable. Publicly endorsing Team Z now will cause Team Y to feel betrayed, destroying Manager X's reputation as a fair, unbiased leader.<br><br>What is the most socially intelligent and logical course of action for Manager X? |
| | Endorse Team Z immediately and publicly, prioritizing the objective outcome over Team Y's trust. |
| | Maintain strict public neutrality, even if it results in a deadlocked or suboptimal decision. |
| | Bridge the gap privately by highlighting shared goals, then propose a unified team solution. |
| | Inform Team Z privately of the alignment, coaching them to independently outmaneuver Team Y. |

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| Q.No: 23 | Read the given situation carefully and consider all the relevant facts, conditions and constraints. Choose the option that represents the most appropriate, practical and logical decision based solely on the information provided.<br><br>A sports academy offers elite badminton scholarships to applicants who are under 16 years of age, have won at least one state-level championship tournament and have maintained a clean disciplinary record. Rohit is 14 years old, has won two state-level championship titles and has never faced any disciplinary issues in his career.<br><br>What decision should the academy make? |
| | The candidate should be selected for the elite scholarship. |
| | The candidate should be rejected for the elite scholarship. |
| | The application should be referred to the Sports Dean. |
| | The data provided is inadequate to take a decision. |

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| Q.No: 24 | Choose the word from the options that logically completes the given intensity sequence.<br><br>Newspaper → Section → Column → [?] |
| | Headline |
| | Article |
| | Edition |
| | Publisher |

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| Q.No: 25 | Four different views of a die are shown below. Which symbol appears on the face opposite the "—" symbol?<br> |
| | @ |
| | ^ |
| | # |
| | % |

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## PART-B (General Awareness)

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| Q.No: 26 | Which of the following mountain passes is **correctly** matched with its respective state? |
| | Bomdi La — Arunachal Pradesh |
| | Nathu La — Himachal Pradesh |
| | Shipki La — Sikkim |
| | Lipulekh — West Bengal |

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| Q.No: 27 | How many joules (J) are equivalent to 1 kilowatt hour (kWh)? |
| | $3.6 \times 10^3$ J |
| | $3.6 \times 10^4$ J |
| | $3.6 \times 10^5$ J |
| | $3.6 \times 10^6$ J |

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| Q.No: 28 | Which Article of the Indian Constitution provides constitutional protection to the President and Governors from certain court proceedings during their term of office? |
| | Article 359 |

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| | Article 356 |
| | Article 360 |
| | Article 361 |

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| Q.No: 29 | Which festival is celebrated in the state of Mizoram? |
| | Sonam Lochar |
| | Saga Dawa |
| | Hlukhla Kut |
| | Ambubachi |

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| Q.No: 30 | Which of the following pairs of festival and its corresponding state is **correctly** matched? |
| | Padayani Festival – Kerala |
| | Pooram Festival – Goa |
| | Sonam Lochar – Manipur |
| | Hornbill Festival – Meghalaya |

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| Q.No: 31 | As of October 2024, Vijaya Kishore Rahatkar heads which statutory body in India? |
| | National Commission for Protection of Child Rights |
| | National Commission for Women |
| | National Commission for Minorities |
| | Central Social Welfare Board |

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| Q.No: 32 | With reference to the Sonam Lochar festival, consider the following statements:<br>Statement 1: It is celebrated by the Tamang community.<br>Statement 2: It generally occurs during the months of January and February.<br>Which of the statements given above is/are **correct**? |
| | Only Statement 1 |
| | Only Statement 2 |
| | Both Statement 1 and Statement 2 |
| | Neither Statement 1 nor Statement 2 |

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| Q.No: 33 | As of 2026, who is serving as India's National Security Advisor (NSA), the principal advisor to the Prime Minister on national security and strategic affairs? |

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| | Ajit Doval |
| | Pankaj Saran |
| | Vikram Misri |
| | Rajinder Khanna |

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| Q.No: 34 | Under Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0, 100% water supply coverage is targeted for households in which areas in India? |
| | All rural households |
| | All households in all statutory towns |
| | Only households in Aspirational Districts |
| | Households in State Capitals only |

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| Q.No: 35 | Under SISFS (Startup India Seed Fund Scheme) what is the maximum grant a startup can receive for proof of concept or prototype development? |
| | ₹30 Lakh |
| | ₹20 Lakh |
| | ₹40 Lakh |

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| | ₹1 Crore |

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| Q.No: 36 | Which specific metric is used to track progress and ensure accountability for the 100 districts covered under the PM Dhan-Dhaanya Krishi Yojana (PMDDKY) in India? |
| | Consumer Price Index (CPI) |
| | Fiscal Deficit ratio |
| | District-level Key Performance Indicators (KPI) |
| | Gross Domestic Product (GDP) deflator |

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| Q.No: 37 | Which country hosts Chabahar Port, which has been developed with Indian assistance? |
| | Saudi Arabia |
| | Oman |
| | United Arab Emirates |
| | Iran |

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| Q.No: 38 | The Andaman and Nicobar Islands are strategically important because they are located close to which major maritime chokepoint? |

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| | Strait of Malacca |
| | Bosporus Strait |
| | Suez Canal |
| | Bab-el-Mandeb Strait |

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| Q.No: 39 | Which of the following best describes the political consequence of the Supreme Court of India's judgment in the Shah Bano case (1985)? |
| | Strengthening of judicial independence |
| | Weakening of minority identity politics |
| | Electoral backlash leading to legislative reversal of the judgment |
| | Abolition of criminal maintenance laws |

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| Q.No: 40 | In India, residuary legislative powers are vested in which of the following? |
| | President |
| | States |
| | Concurrent jurisdiction |

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| | Parliament |

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| Q.No: 41 | Under which Article of the Constitution of India does Parliament have the power to alter the name, area, or boundaries of a State? |
| | Article 1 |
| | Article 2 |
| | Article 3 |
| | Article 4 |

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| Q.No: 42 | Who has been appointed as a part-time member of the $16^{th}$ Finance Commission (XVI FC) of India? |
| | Arvind Panagariya |
| | Ajay Narayan Jha |
| | T. Rabi Sankar |
| | Rajiv Kumar |

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| Q.No: 43 | In India, which Constitutional Amendment Act is popularly known as the “Mini-Constitution”? |

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| | $7^{th}$ Amendment Act |
| | $42^{nd}$ Amendment Act |
| | $44^{th}$ Amendment Act |
| | $73^{rd}$ Amendment Act |

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| Q.No: 44 | **Fill in the blank:**<br>Integration of the economy of the country with the world economy is known as____. |
| | Globalisation |
| | Nationalisation |
| | Disinvestment |
| | Liberalisation |

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| Q.No: 45 | According to the Urban and Regional Development Plans Formulation and Implementation (URDPFI) Guidelines, 2014, which of the following concepts is associated with climate change mitigation? |
| | Compact Housing |
| | Green Building |
| | Vertical Zoning |

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| | Transit Housing |

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| Q.No: 46 | What major policy action was taken during the "Three Annual Plans" of India (1966–1969), colloquially called the "Plan Holiday"? |
| | Nationalization of major commercial banks |
| | Implementation of new agricultural strategies |
| | Initiation of structural economic reforms |
| | Mandatory implementation of population restrictions |

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| Q.No: 47 | During a transit, a planet blocks 1% of its star's light. Assuming the star has uniform brightness, what is the ratio of the planet's radius to the star's radius? |
| | 0.01 |
| | 0.1 |
| | 0.2 |
| | 0.5 |

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| Q.No: 48 | Who among the following is primarily credited with introducing the Ryotwari system in the Madras Presidency? |

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| | Holt Mackenzie |
| | Thomas Munro |
| | Cornwallis |
| | William Bentinck |

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| Q.No: 49 | A region experiences rapid deforestation followed by irregular river flow, floods during monsoon, and drought afterward. Which ecological principle does this most strongly demonstrate? |
| | Competitive exclusion among species for water resources |
| | Ecological succession after water related disturbance |
| | Regulation of water flow within watersheds |
| | Stabilisation of energy pyramids in water based ecosystems |

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| Q.No: 50 | A university raises its tuition fee by 20%. As a result, student enrolment decreases by 30%, while all other factors remain unchanged. Which of the following statements correctly describes the price elasticity of demand and the resulting change in the university's total tuition revenue? |
| | Demand is inelastic, and total tuition revenue increases. |
| | Demand is elastic, and total tuition revenue decreases. |
| | Demand is unit elastic, and total tuition revenue remains unchanged. |

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| | Demand is perfectly elastic, and total tuition revenue becomes zero. |

## PART-C (Quantitative Aptitude)

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| Q.No: 51 | One third of a certain journey is covered at a speed of 24 km/hr, one fourth at a speed of 36 km/hr and the remaining at a speed of 60 km/hr. What will be the average speed for the entire journey? |
| | 22 km/h |
| | 30 km/h |
| | 28 km/h |
| | 36 km/h |

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| Q.No: 52 | A tank, which can normally be filled in 15 hours, takes 5 additional hours to fill due to a leak at the bottom. If the tank is completely full, how long will the leak alone take to empty it? |
| | 30 hours |
| | 40 hours |
| | 50 hours |
| | 60 hours |

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| Q.No: 53 | Two persons, A and B, begin traveling simultaneously from points X and Y toward each other. The speed of A is 20% greater than the speed of B. After they meet at a point on the way, A takes 2.5 hours to reach Y and B takes a hours to reach X. Find the value of a. |
| | 2.8 hours |

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| | 3 hours |
| | 3.6 hours |
| | 4 hours |

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| Q.No: 54 | Find the area of the rectangle formed by the graphs of x = 0, x = 4, y = 0, and y = 3. |
| | 7 square units |
| | 12 square units |
| | 14 square units |
| | 10 square units |

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| Q.No: 55 | The lines x - y = 0, x + y = 0, and y = k form a triangle. If the area of this triangle is 25 sq. units, what is the value of k? |
| | k = 5 or −5 |
| | k = -10 or 10 |
| | k = 25 or -25 |
| | k = -20 or 20 |

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| Q.No: 56 | A solid metallic cube with a surface area of 96 $cm^2$ is melted to form smaller cubes with a surface area of 24 $cm^2$ each. Find the number of smaller cubes. |
| | 14 |
| | 6 |
| | 18 |
| | 8 |

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| Q.No: 57 | A chord of a circle subtends equal angles of 35° at two points on the same segment of the circle. What is the angle subtended by the same chord at the centre of the circle? |
| | 125° |
| | 70° |
| | 35° |
| | 115° |

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| Q.No: 58 | A tower is 120 m high. The angles of depression of two points on the same straight line and on the same side of the tower are 30° and 60°. Find the distance between the two points. |
| | $80\sqrt{3}$ m |

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| | $70\sqrt{3}$ m |
| | $100\sqrt{3}$ m |
| | $120\sqrt{3}$ m |

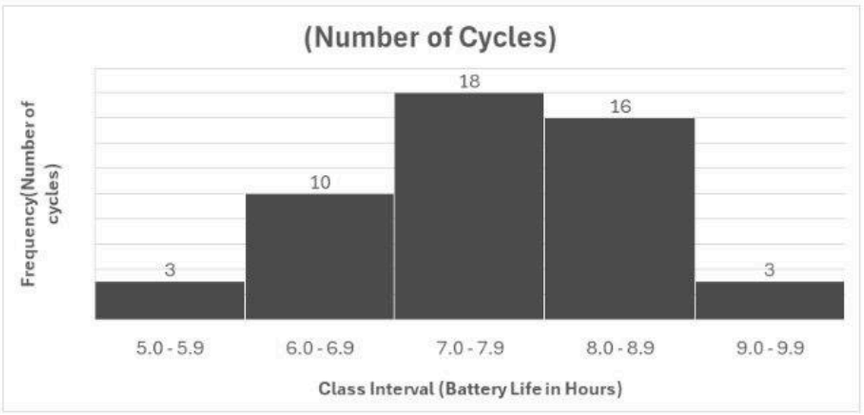
| | |
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| Q.No: 59 | An isosceles trapezium has parallel sides of lengths 18 cm and 30 cm. If the length of each non-parallel side is 10 cm, find the area of the trapezium. |
| | 192 $cm^2$ |
| | 240 $cm^2$ |
| | 144 $cm^2$ |
| | 288 $cm^2$ |

| | |
|---|---|
| Q.No: 60 | If $\tan\alpha$ and $\tan\beta$ are roots of $x^2 - px + q = 0$, find $\cos^2(\alpha + \beta)$. |
| | $\frac{1+q^2}{p^2+(1+q)^2}$ |
| | $\frac{(1+q)^2}{p^2+(1-q)^2}$ |
| | $\frac{1-q^2}{p^2+(1+q)^2}$ |

| | |
|---|---|
| | $\frac{(1-q)^2}{p^2+(1-q)^2}$ |

| | |
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| Q.No: 61 | The base of a right prism is an isosceles triangle whose equal sides are 10 cm each, and the unequal base side is 12 cm. If the ratio of the numerical value of its total surface area to its volume is 2 : 1, find the altitude of the prism (in cm). |
| | 0.5 cm |
| | 1 cm |
| | 1.5 cm |
| | 2 cm |

| | |
|---|---|
| Q.No: 62 | If $x + \frac{1}{x} = \sqrt{13}$, then find the value of $\frac{3x}{x^2-1}$. |
| | ±1 |
| | ±2 |
| | ±3 |
| | ±4 |

| | |
|---|---|
| Q.No: 63 | Study the given histogram carefully, which shows the battery life of cycles (in hours) on the x-axis and the number of cycles (frequency) on the y-axis, and answer the question that follows:<br><br><br>What percentage of cycles have battery life less than 7 hours? |
| | 64% |
| | 62% |
| | 32% |
| | 26% |

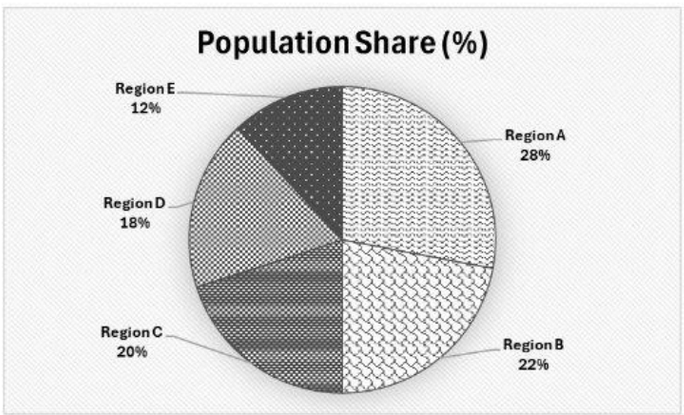
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| | |
| Q.No: 64 | A vessel has 45 liters of a solution of alcohol and water, having 60% alcohol. How many liters of the solution must be withdrawn from the vessel and replaced by the same quantity of water so that the resulting solution would have 35% alcohol? |
| | 15.25 liters |
| | 18.75 liters |
| | 20.50 liters |
| | 23.85 liters |

| | |
|---|---|
| Q.No: 65 | Two right circular cylinders have equal volumes. If the ratio of their heights is 9: 16, find the ratio of their radii. |
| | 3:4 |
| | 2:3 |
| | 4:3 |
| | 3:2 |

| | |
|---|---|
| Q.No: 66 | A product is marked at ₹25,000. It is sold at a discount of 10% and then at a further discount such that its final selling price becomes ₹20,250. What is the percentage of the second discount? |
| | 12.25% |
| | 10% |
| | 14.40% |
| | 16% |

Q.No: 67

The following pie-chart presents the percentage distribution of the population across five different regions. Study the pie-chart carefully and answer the question based on the provided data.




If the population of Region A is 70,000, what is the population of Region E?

25,000

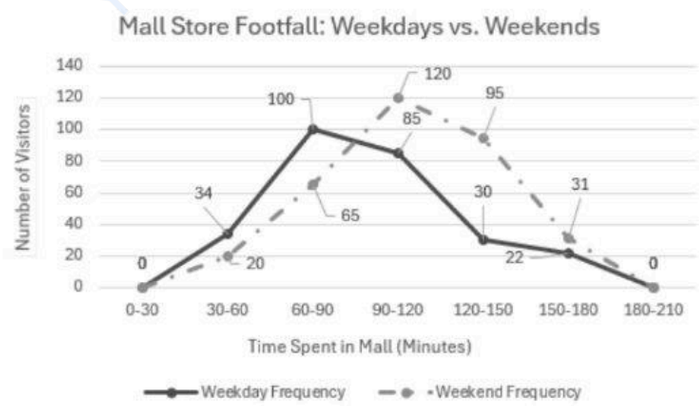
30,000

35,000

40,000

Q.No: 68

Read the following frequency polygon which represents class interval (Time Spent in Mall (Minutes)) on the x-axis and frequency (Number of Visitors) on the y-axis, and answer the following question:




Using the standard continuous distribution formula for estimating statistical parameters, what is the approximate Median time (in minutes) spent by a visitor on Weekdays?

| | |
|---|---|
| | 65.5 minutes |
| | 90.5 minutes |
| | 71.5 minutes |
| | 83.5 minutes |

| | |
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| Q.No: 69 | A sum of money amounts to ₹11,616 at the end of 2 years and to ₹14,055.36 at the end of 4 years at compound interest, compounded annually. Find the rate of interest per annum and the original principal amount. |
| | Principal = ₹9,200<br>Annual Rate of Interest = 9% |
| | Principal = ₹8,600<br>Annual Rate of Interest = 8% |
| | Principal = ₹8,000<br>Annual Rate of Interest = 7% |
| | Principal = ₹9,600<br>Annual Rate of Interest = 10% |

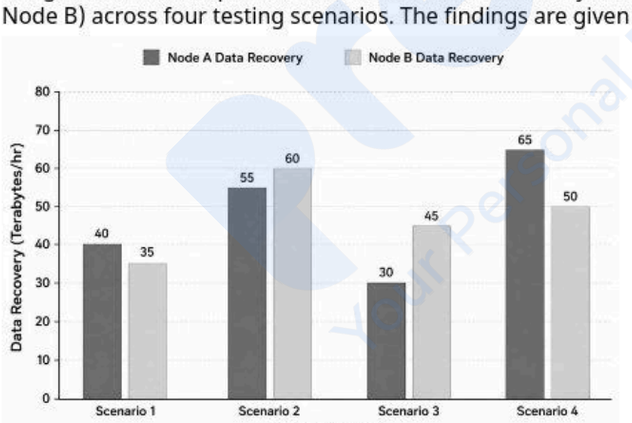
| | |
|---|---|
| Q.No: 70 | The square of a positive number exceeds the number itself by 182. Find the number. |
| | 12 |

| | |
|---|---|
| | 13 |
| | 14 |
| | 15 |

| | |
|---|---|
| Q.No: 71 | The total manufacturing cost of an item is distributed among the factors - material sourcing, assembly labor and plant overheads - in the ratio 4:3:2. Due to shifting economic factors, material costs increase by 10%, assembly labor costs jump by 20% but plant overheads are successfully reduced by 5%. If these combined changes result in a net increase of Rs. 180 in the final manufacturing cost, find the initial total cost of manufacturing. |
| | Rs. 3600 |
| | Rs. 2700 |
| | Rs. 1800 |
| | Rs. 900 |

| | |
|---|---|
| Q.No: 72 | In an equilateral triangle ABC, the altitudes AD, BE, and CF intersect at point H. Find the ratio AH : HD. |
| | 1 : 1 |
| | 2 : 1 |
| | 3 : 1 |
| | 3 : 2 |

| | |
|---|---|
| Q.No: 73 | If $X = \frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$, then find the value of $X^2 + \frac{1}{X^2}$. |
| | 10 |
| | 42 |
| | 98 |
| | 83 |

| | |
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| Q.No: 74 | A regional network operator measures the data recovery success speed of two distinct server nodes (Node A and Node B) across four testing scenarios. The findings are given in the following bar-graph:<br><br><br>Find the absolute numerical difference between the maximum recovery speed recorded by Node A and the minimum recovery speed recorded by Node B, and also that between the minimum recovery speed recorded by Node A and the maximum recovery speed recorded by Node B, respectively. |
| | 35 terabytes/hr, 25 terabytes/hr |
| | 25 terabytes/hr, 35 terabytes/hr |
| | 35 terabytes/hr, 30 terabytes/hr |

| | |
|---|---|
| | 30 terabytes/hr, 30 terabytes/hr |

| | |
|---|---|
| Q.No: 75 | For $a = 2, b = 3$ and $c = 5$, evaluate: $(a+b+c)^3 - (a+b-c)^3 - (a-b+c)^3 - (-a+b+c)^3$. |
| | 600 |
| | 660 |
| | 720 |
| | 780 |

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## PART-D (English Comprehension)

| | |
|---|---|
| Q.No: 76 | **Select the wrongly spelt word out of the four alternatives.** |
| | Millennium |
| | Perrenial |
| | Centennial |
| | Biannual |

| | |
|---|---|
| Q.No: 77 | **Select the wrongly spelt word out of the four alternatives.** |
| | Pterodactyl |
| | Phsychology |
| | Pneumatic |
| | Pseudo |

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| | |
|---|---|
| Q.No: 78 | **Choose the most appropriate antonym of the underlined word.**<br>The witness gave a **precise** account of the incident. |
| | Specific |
| | Exact |
| | Inaccurate |
| | Correct |

| | |
|---|---|
| Q.No: 79 | **Choose the most appropriate antonym of the underlined word.**<br>He is merely a **dilettante** who paints for fun but lacks any formal training. |
| | Amateur |
| | Dabbler |
| | Professional |
| | Tyro |

| | |
|---|---|
| Q.No: 80 | **Select the correctly spelt word to replace the highlighted word in the given sentence.**<br>He faced a **conundrom** regarding his future. |
| | Conundrom |
| ✓ | Conundrum |
| | Connundrum |
| | Conunderum |

| | |
|---|---|
| Q.No: 81 | **Select the correctly spelt word to replace the highlighted word in the given sentence.**<br>Her **supersilious** manner often alienated her from her many colleagues. |
| | Supercilioussss |
| | Supersilious |
| | Supercillious |
| ✓ | Supercilious |

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| | |
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| Q.No: 82 | **Choose the most appropriate option to fill the blank in the given sentence.**<br>Tomorrow, I _____ the dusty old book from the attic and relive my favorite childhood memories. |
| | would open |
| | am open |
| | will open |
| | opened |

| | |
|---|---|
| Q.No: 83 | **Choose the most appropriate option to fill the blank in the given sentence.**<br>I managed to find my way to the museum _____ only a tattered paper map and a few landmarks. |
| | beneath |
| | by means of |
| | following the path |
| | barring |

| | |
|---|---|
| Q.No: 84 | Pick out the homonym from the given options that can suitably complete both Sentence (P) and Sentence (Q) given below.<br><br>(P) Avian zoologists monitored the artificial _____ environment, meticulously regulating thermal variables and humidity levels to ensure optimal embryonic development within the clutch.<br><br>(Q) Epidemiologists warned that the pathogenic agent possessed an extended, asymptomatic _____ period, allowing infected hosts to propagate the virus across borders before clinical detection. |
| | expectancy |
| | dormancy |
| | incubation |
| | maturation |

| | |
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| Q.No: 85 | Select the option in which the underlined homonym “assimilation” is used with the same meaning as in the sentence below.<br><br>The educational psychologist explained that cognitive schema expansion requires a careful balance between the assimilation of familiar data points and the accommodation of radically disruptive new concepts. |
| | Sociologists argue that forced cultural assimilation policies systematically erode indigenous languages and traditions, causing generational trauma by severing a community's connection to its heritage. |
| | Gastroenterologists noted that structural damage to the intestinal villi severely compromises the metabolic assimilation of essential lipids, leading to systemic malnutrition despite adequate caloric intake. |
| | Piagetian developmental theorists observe that a child utilises assimilation when they categorise a newly encountered target object, like a raccoon, into their pre-existing mental framework for "dogs." |

| | |
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| | Phonetic analysis reveals that rapid, colloquial speech frequently triggers mutual assimilation, where adjacent articulation points overlap and blend to minimise the mechanical effort required by the human vocal tract. |

| | |
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| Q.No: 86 | Choose the option that best explains the meaning of the underlined idiom in the sentence below.<br><br>In order to expedite the approval of the offshore drilling permits through the highly bureaucratic ministry, the multinational energy corporation resorted to greasing the regional director's palm. |
| | Offering illicit financial inducements or surreptitious capital transfers to secure preferential treatment from an official |
| | Registering a systemic administrative grievance to censure an official for regulatory negligence |
| | Leveraging executive political networks to exert coercive, top-down institutional pressure on someone |
| | Utilising aggressive intimidation tactics to psychologically coerce someone into compliance |

| | |
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| Q.No: 87 | Read the sentences provided in options A, B, C, and D carefully. While three of the sentences are grammatically sound, one contains an “article usage” error. Identify the option with the error. |
| | A trireme was a highly manoeuvrable ancient warship powered by the three rows of oars, designed by Mediterranean civilisations. |
| | Following the catastrophic volcanic eruption on the island, the displaced were immediately provided with temporary shelter. |
| | Mangroves protect vulnerable coastlines from severe tidal erosion by trapping sediment within their complex, intertwined root structures. |

| | |
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| | The blue whale is considered the largest animal ever known to have lived on Earth, occupying an apex position within marine ecosystems. |

| | |
|---|---|
| Q.No: 88 | Read the sentences provided in options A, B, C, and D carefully. While three of the sentences are grammatically sound, one contains an “article usage” error. Identify the option with the error. |
| | The telescope detected so distant a galaxy that its cosmic light took over thirteen billion years to reach the observatory's deep-space sensors. |
| | The gallery curator remarked that it was quite masterpiece, possessing such a luminous quality that onlookers were instantly captivated. |
| | What an extraordinary performance the understudy delivered tonight, stepping into the lead role with such absolute composure! |
| | What fascinating behavioural adaptations deep-sea organisms display when surviving under extreme hydrostatic pressure! |

| | |
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| Q.No: 89 | Convert the following passive sentence into active voice. Then, select the correct option that maintains tense consistency and proper syntax.<br><br>A deep state of intimidation is easily experienced by them under a powerful leader, yet their assigned responsibilities are abandoned at that leader’s command, proving how quickly accountability is crushed by the leader. |
| | They easily experience a deep state of intimidation under a powerful leader, yet they abandon their assigned responsibilities at that leader’s command, proving how quickly the leader crushes accountability. |
| | They easily experienced a deep state of intimidation under a powerful leader, yet they abandon their assigned responsibilities at that leader’s command, proving how quickly the leader crushes accountability. |

| | |
|---|---|
| | They easily experienced a deep state of intimidation under a powerful leader, yet they abandoned their assigned responsibilities at that leader's command, proving how quickly the leader crushes accountability. |
| | They easily experience a deep state of intimidation under a powerful leader, yet they abandoned their assigned responsibilities at that leader's command, proving how quickly the leader crushed accountability. |

| | |
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| Q.No: 90 | Read the sentence thoroughly, with special attention to the underlined segment. Choose the most appropriate substitution from A, B, or C. If the sentence is fine as it is, select D (No improvement required).<br><br>The micro-lending firm's public evaluation would have read far more unfavourably than it did if only the oversight committee had discovered the algorithmic bias earlier. |
| | would be read far more unfavourably than they did |
| | would have read far more unfavourably than it done |
| | would read far more unfavourably than it had did |
| | No improvement required |

| | |
|---|---|
| Q.No: 91 | Read the sentence thoroughly, with special attention to the underlined segment. Choose the most appropriate substitution from A, B, or C. If the sentence is fine as it is, select D (No improvement required).<br><br>The experimental composer conducted the discordant symphony not because he lacked an understanding of classical harmony, but because he believed that traditional methods were obsolete. |
| | not because he was lacking of an understanding in classical harmony, but because he had believed |

| | |
|---|---|
| | because he lacked an understanding of classical harmony, but because he has believed |
| | not lacking an understanding of classical harmony, but because he have believed |
| | No improvement required |

| | |
|---|---|
| Q.No: 92 | The following sentence has been divided into four parts (P, Q, R, and S). The last part (S5) is fixed. Rearrange the remaining parts to form a grammatically correct and meaningful sentence, and choose the correct sequence.<br><br>P: especially as we ascend the scale and discover that certain animals are capable of remembering other animals<br>Q: the recognition of enemies can be noticed in animals quite low in the scale of life, and although this<br>R: after a hostile encounter with them, as shown quite plainly by the white mouse, that he had not forgotten the pet crow<br>S: psychical phase is almost universally instinctive, it carries with it certain elements of consciousness<br>S5: from whose clutches he had been rescued, even after three years had passed by. |
| | RQSP |
| | QSPR |
| | PSQR |
| | SQRP |

| | |
|---|---|
| Q.No: 93 | **Select the correct passive form of the given sentence.**<br><br>The police let the suspect go after questioning him for two hours. |

| | |
|---|---|
| | The suspect was let to go by the police after being questioned for two hours. |
| | The suspect was allow to go by the police after being questioned for two hours. |
| | The suspect was let go by the police after being questioned for two hours. |
| | The suspect was being let go by the police after being questioned for two hours. |

| | |
|---|---|
| Q.No: 94 | In the following question, the first and last parts of a sentence are fixed as S1 and S5. The remaining parts, P, Q, R, and S, are given in jumbled order. Rearrange these parts to form a grammatically correct and logically meaningful sentence. Choose the correct sequence from the given options.<br><br>S1: It is possible that Claude Mollet, who began his career under Henri III<br>P: and wrote his elaborate work "Theatre des Plans et Jardinage" in 1612, which<br>Q: was only published half a century later, was the creator of the parterres and broderies<br>R: and plant forms resembling oriental embroideries in design, while making equal use of the labyrinth<br>S: so largely used in his time and after because his formula was derived chiefly from flower<br>S5: and the sunken garden, with the idea to develop the simple parquet into the elaborate parterre. |
| | QSRP |
| | SPQR |
| | PQSR |
| | RSPQ |

| | |
|---|---|
| Q.No: 95 | **Select the correct passive form of the given sentence.**<br><br>The research scholars would rather present their findings at the national seminar than publish them in a journal. |
| | The findings would rather be presented at the national seminar then published in a journal by the research scholars. |
| | The findings would rather be presented at the national seminar than be published in a journal by the research scholars. |
| | The findings would rather have been presented at the national seminar than published in a journal by the research scholars. |
| | The findings should rather be presented at the national seminar than published in a journal by the research scholars. |

| | |
|---|---|
| Q.No: 96 | Complete the following passage by selecting the most appropriate option for each blank.<br><br>Climate policy is often presented as a contest between economic development and environmental restraint. This framing is misleading because unchecked warming itself threatens productivity, infrastructure, food security, and fiscal stability. _____(A), decarbonisation should be understood not as an impediment to economic progress but as a means of protecting its long-term foundations. The apparent conflict between growth and climate action arises largely from the unequal distribution of transitional costs.<br>Governments frequently hesitate to regulate carbon-intensive industries because such measures may provoke resistance from affected workers, businesses, and consumers. Yet postponement does not eliminate the burden; it merely _____(B) it, often transferring greater costs to younger generations and economically vulnerable communities. Had major economies begun restructuring their energy systems when scientific evidence became sufficiently clear, they _____(C) less exposed today to volatile fuel prices and climate-related disruption.<br>A credible transition therefore requires not only technological innovation but also a _____(D) that compensates affected workers, ensures transparent consultation, and distributes public investment fairly. Without such safeguards, climate policy may appear detached from the circumstances of communities least able to absorb sudden economic changes. Political leaders must therefore reckon _____(E) the social repercussions of reform rather than assuming that scientific urgency alone will secure public consent.<br><br>Choose the most appropriate option to fill in Blank (A). |
| | Nevertheless |
| | In other words |

| | |
|---|---|
| | Meanwhile |
| | By comparison |

| | |
|---|---|
| Q.No: 97 | Complete the following passage by selecting the most appropriate option for each blank.<br><br>Climate policy is often presented as a contest between economic development and environmental restraint. This framing is misleading because unchecked warming itself threatens productivity, infrastructure, food security, and fiscal stability. _____(A), decarbonisation should be understood not as an impediment to economic progress but as a means of protecting its long-term foundations. The apparent conflict between growth and climate action arises largely from the unequal distribution of transitional costs.<br>Governments frequently hesitate to regulate carbon-intensive industries because such measures may provoke resistance from affected workers, businesses, and consumers. Yet postponement does not eliminate the burden; it merely _____(B) it, often transferring greater costs to younger generations and economically vulnerable communities. Had major economies begun restructuring their energy systems when scientific evidence became sufficiently clear, they _____(C) less exposed today to volatile fuel prices and climate-related disruption.<br>A credible transition therefore requires not only technological innovation but also a _____(D) that compensates affected workers, ensures transparent consultation, and distributes public investment fairly. Without such safeguards, climate policy may appear detached from the circumstances of communities least able to absorb sudden economic changes. Political leaders must therefore reckon _____(E) the social repercussions of reform rather than assuming that scientific urgency alone will secure public consent.<br><br>Choose the most appropriate option to fill in Blank (B). |
| | defers |
| | disperses |
| | diminishes |
| | disclaims |

| Q.No: 98 | Complete the following passage by selecting the most appropriate option for each blank.<br><br>Climate policy is often presented as a contest between economic development and environmental restraint. This framing is misleading because unchecked warming itself threatens productivity, infrastructure, food security, and fiscal stability. _____(A), decarbonisation should be understood not as an impediment to economic progress but as a means of protecting its long-term foundations. The apparent conflict between growth and climate action arises largely from the unequal distribution of transitional costs.<br>Governments frequently hesitate to regulate carbon-intensive industries because such measures may provoke resistance from affected workers, businesses, and consumers. Yet postponement does not eliminate the burden; it merely _____(B) it, often transferring greater costs to younger generations and economically vulnerable communities. Had major economies begun restructuring their energy systems when scientific evidence became sufficiently clear, they _____(C) less exposed today to volatile fuel prices and climate-related disruption.<br>A credible transition therefore requires not only technological innovation but also a _____(D) that compensates affected workers, ensures transparent consultation, and distributes public investment fairly. Without such safeguards, climate policy may appear detached from the circumstances of communities least able to absorb sudden economic changes. Political leaders must therefore reckon _____(E) the social repercussions of reform rather than assuming that scientific urgency alone will secure public consent.<br><br>Choose the most appropriate option to fill in Blank (C). |
|---|---|
| | would have been |
| | were |
| | had been |
| | would be |

| Q.No: 99 | Complete the following passage by selecting the most appropriate option for each blank.<br><br>Climate policy is often presented as a contest between economic development and environmental restraint. This framing is misleading because unchecked warming itself threatens productivity, infrastructure, food security, and fiscal stability. _____(A), decarbonisation should be understood not as an impediment to economic progress but as a means of protecting its long-term foundations. The apparent conflict between growth and climate action arises largely from the unequal distribution of transitional costs.<br>Governments frequently hesitate to regulate carbon-intensive industries because such measures may provoke resistance from affected workers, businesses, and consumers. Yet postponement does not eliminate the burden; it merely _____(B) it, often transferring greater costs to younger generations and economically vulnerable communities. Had major economies begun restructuring their energy systems when scientific evidence became sufficiently clear, they _____(C) less exposed today to volatile fuel prices and climate-related disruption.<br>A credible transition therefore requires not only technological innovation but also a _____(D) that compensates affected workers, ensures transparent consultation, and distributes public investment fairly. Without such safeguards, climate policy may appear detached from the circumstances of communities least able to absorb sudden economic changes. Political leaders must therefore reckon _____(E) the social repercussions of reform rather than assuming that scientific urgency alone will secure public consent.<br><br>Choose the most appropriate option to fill in Blank (D). |
|---|---|
| | distributive framework |
| | procedural formality |
| | rhetorical convention |
| | speculative arrangement |

| Q.No: 100 | Complete the following passage by selecting the most appropriate option for each blank.<br><br>Climate policy is often presented as a contest between economic development and environmental restraint. This framing is misleading because unchecked warming itself threatens productivity, infrastructure, food security, and fiscal stability. _____(A), decarbonisation should be understood not as an impediment to economic progress but as a means of protecting its long-term foundations. The apparent conflict between growth and climate action arises largely from the unequal distribution of transitional costs.<br>Governments frequently hesitate to regulate carbon-intensive industries because such measures may provoke resistance from affected workers, businesses, and consumers. Yet postponement does not eliminate the burden; it merely _____(B) it, often transferring greater costs to younger generations and economically vulnerable communities. Had major economies begun restructuring their energy systems when scientific evidence became sufficiently clear, they _____(C) less exposed today to volatile fuel prices and climate-related disruption.<br>A credible transition therefore requires not only technological innovation but also a _____(D) that compensates affected workers, ensures transparent consultation, and distributes public investment fairly. Without such safeguards, climate policy may appear detached from the circumstances of communities least able to absorb sudden economic changes. Political leaders must therefore reckon _____(E) the social repercussions of reform rather than assuming that scientific urgency alone will secure public consent.<br><br>Choose the most appropriate option to fill in Blank (E). |
|---|---|
| | for |
| | upon |
| | with |
| | against |

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