

IBPS PO Prelims Full Length Mock Test 1 (PYQ)

Directions (1-8) Read the following passage and answer the given questions.

Directions: Read the passage below and answer the questions that follow.

Sunil Gavaskar has recently asked why we Indians, though electrified by Glenn Maxwell's fastest World Cup century ~ off 40 balls in Delhi the other day against the Netherlands ~ should refrain from any comparison with Kapil Dev's magic 175 not out in 1983 at Tunbridge Wells against Zimbabwe, which too had turned things sensationally around. His observations began with an emotional appeal for his compatriots to think of the historical perspective, coruscating as the Australian's knock was in the current tournament. Quite apart from the points made by India's finest-ever opener that 2023 should not be deemed a match for 1983 given major changes in terms of the nitty-gritty of playing the game, with rules and equipment changing, what must be indisputably endorsed is the fact there would perhaps be no World Cup in this land today, or in 2011 or in 1987-8, if the 1983 miracle had not happened with India, as in 1975 and in 1979, returning home early. And it was Kapil ~ the true-blue all-rounder who could clinch it either bowling or batting ~ who swung the all-but-lost Zimbabwe match. It set India up for their subsequent glory.

The Harry Potter moment of a Lord's triumph against the West Indies in the final changed the face and virtually everything associated with the global game with cricket's _____. It all began with the Tunbridge Wells crackerjack. Its impact was to surpass that of a lot of big shows. **(A) It, of**

course, is another matter that Maxwell plays for a team that has already won five World Cups, but it also gives an idea of what the top of the mountain looked like when Kapil Dev with his team made it to the foothills, few among his compatriots counting in them to wow the world.

He had what it took, though. *Snubbed as a callow youth* at a preparatory camp for requesting an extra roti as a fast bowler, he had later worked up a huge appetite fit for a pioneer's distinction. Then the cyclone *made its landfall* as Zimbabwe went up against India, savouring an initial success or two as the going got tough for their popularly previewed modest opposition. Kapil Dev roared. When he came in, SMH Kirmani, his partner, told him they had to fight their way out of the mess. Kapil Dev took charge immediately. Years later, after a Test match in Nagpur, some Zimbabweans who had heard of the way the then Indian captain *pulled it off*, said: "All his shots were clean hits. And his defence was impeccable." Few batsmen qualify for that kind of praise today even after the game has become batting-friendly.

- Q1** What does the reference to the "Harry Potter moment" signify in the context of the passage?
- (A) It suggests a magical victory akin to those portrayed in fantasy literature.
 - (B) It implies a turning point or a significant transformation in cricket history.
 - (C) It denotes the influence of pop culture in shaping the cricket narrative.
 - (D) It alludes to an unexpected defeat against the West Indies.



- (E) None of these
- Q2** What is the author's tone regarding Sunil Gavaskar's comparison between Glenn Maxwell's century and Kapil Dev's innings in the 1983 World Cup?
- (A) Supportive and appreciative of Gavaskar's comparison, considering the historical significance.
- (B) Dismissive and critical of Gavaskar's attempt to draw parallels between the two innings.
- (C) Neutral and objective, presenting both viewpoints without bias.
- (D) Indifferent towards Gavaskar's observation, focusing on factual analysis.
- (E) None of these
- Q3** What does the phrase "few among his compatriots counting on them to wow the world" imply about the perception of Kapil Dev's team in 1983?
- (A) It suggests widespread confidence in the team's abilities.
- (B) It indicates a lack of belief or expectations regarding the team's success.
- (C) It signifies the team's consistent track record of impressive performances.
- (D) It hints at the team's immense popularity among cricket enthusiasts.
- (E) None of these
- Q4** What would be a suitable title for the passage based on its content?
- (A) "Comparative Cricketing Legends: Maxwell vs. Kapil Dev"
- (B) "Cricket's Historic Turning Points: Maxwell's Century and Kapil Dev's Innings"

- (C) "Sunil Gavaskar's Views on Cricket's Evolution: Maxwell and Kapil Dev"
- (D) "Unparalleled Performances: A Study of World Cup Innings"
- (E) None of these

Q5 Based on the given passage, consider the following statements:

- I. Kapil Dev's innings in the 1983 World Cup against Zimbabwe had no significant impact on India's subsequent glory in the tournament.
- II. The passage primarily emphasizes the significance of Sunil Gavaskar's comparison between Glenn Maxwell's century and Kapil Dev's innings.
- III. The author's tone throughout the passage suggests an indifference towards historical contexts in cricket.

Which of the following options correctly assesses the accuracy of the statements?

- (A) Statement I is correct; Statement II is incorrect; Statement III is correct.
- (B) Statement I is incorrect; Statement II is correct; Statement III is incorrect.
- (C) Statement I is correct; Statement II is incorrect; Statement III is incorrect.
- (D) All statements are incorrect.
- (E) None of these

Q6 Identify the error in the sentence marked (A) and choose the respective option. If there is no error, choose option (E).

- (A) It, of course, is another matter that Maxwell plays for a team that has already
- (B) won five World Cups, but it also gives an idea of what the top of the
- (C) mountain looked like when Kapil Dev with his team made it to the foothills,
- (D)



few among his compatriots counting in them to wow the world.

(E) No error

Q7 The Harry Potter moment of a Lord's triumph against the West Indies in the final changed the face and virtually everything associated with the global game with cricket's

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- (A) Rapid evolution into a spectator-driven sport
 - (B) Emergence as the world's most lucrative game
 - (C) Transformation into a primarily indoor sport
 - (D) Shift towards conventional match formats
 - (E) Balance of power shifting to the Indian subcontinent

Q8 Identify the correct meaning of the idioms/phrases highlighted in the passage:

- (A) "Snubbed as a callow youth" means being ignored and inexperienced in youth; "made its landfall" signifies reaching a peak in a journey; "pulled it off" denotes giving up on a task.
- (B) "Snubbed as a callow youth" refers to being praised for youthful enthusiasm; "made its landfall" indicates success after a long struggle; "pulled it off" suggests abandoning an endeavor.
- (C) "Snubbed as a callow youth" signifies praised for youthful energy; "made its landfall" refers to achieving success smoothly; "pulled it off" means managing to accomplish something challenging.
- (D) "Snubbed as a callow youth" suggests being rejected or disregarded due to youth and inexperience; "made its

landfall" implies the arrival or impact of something significant; "pulled it off" indicates successfully achieving or completing a difficult task despite challenges.

(E) None of these

Directions (9-13) Read the following passage and answer the given questions.

Directions: Rearrange the following six sentences (A), (B), (C), (D) and (E) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

A. The Bill aims to enforce and promote lawful usage of digital personal data and stipulates how organisations and individuals should navigate privacy rights and handle personal data.

B. Policymakers across the globe, including in India, are designing legal and regulatory frameworks that clearly lay down the rights of data principles and obligations for data fiduciaries.

C. Just yesterday, the Indian ministry of electronics and information technology passed the Digital Personal Data Protection Bill, 2023 (DPDP) in the Lok Sabha after months of deliberations and discussions.

D. As data cements its position at the heart of AI innovations that can solve and address significant global challenges, designing effective mechanisms to enable data governance has become one of the top priorities for countries around the world.

E. While such normative frameworks are critical



to secure regulatory certainty for enterprises, these frameworks require innovative technical measures to support their operationalisation.

Q9 Which of the following combinations is the combination of two consecutive statements after the correct rearrangement?
 (A) AC (B) BD
 (C) EC (D) CB
 (E) BC

Q10 Which of the following options provides the correct sequence of the jumbled paragraph?
 (A) DABCE (B) ADECB
 (C) BADEC (D) BCEAD
 (E) DBCAE

Q11 Which of the following combinations is the combination of three consecutive statements after the correct rearrangement?
 (A) ACD (B) BCA
 (C) ECA (D) CBE
 (E) BAE

Q12 Which of the following is the INTRODUCTORY and TERMINAL statement after rearrangement?
 (A) BE (B) AD
 (C) CA (D) DE
 (E) AC

Q13 Which of the following is the PENULTIMATE and ANTEPENULTIMATE statement respectively after rearrangement?
 (A) EC (B) CE
 (C) AB (D) AC
 (E) CA

Q14 Directions: In the questions given below, there is a sentence in which one part is given in bold. The part given in bold may or may not be grammatically correct. Choose the best alternative among the four given which can replace the part in bold to make the sentence grammatically correct. If the part given in bold is already correct and does not require any replacement, choose option (e), i.e. "No replacement required" as your answer.

In a proactive move, nodal state **agencies set an extensive federated system to ensure** self-employed workers meet targets set up by the national administration.

- (A) agencies set to an extensive federated system to ensuring
- (B) agencies set in an extensive federated system to ensured
- (C) agencies set down an extensive federated system to ensure
- (D) agencies set up an extensive federated system to ensure
- (E) No replacement required

Q15 Directions: In the questions given below, there is a sentence in which one part is given in bold. The part given in bold may or may not be grammatically correct. Choose the best alternative among the four given which can replace the part in bold to make the sentence grammatically correct. If the part given in bold is already correct and does not require any replacement, choose option (e), i.e. "No replacement required" as your answer.

The young **adopt programmer secures first place** in the international coding competition



with a groundbreaking AI-driven software solution.

- (A) adopt programmer secures first place
- (B) adopt programming secures first place
- (C) adapt programmer secures first place
- (D) adept programmer secures first place
- (E) No replacement required

Q16 Directions: In the questions given below, there is a sentence in which one part is given in bold. The part given in bold may or may not be grammatically correct. Choose the best alternative among the four given which can replace the part in bold to make the sentence grammatically correct. If the part given in bold is already correct and does not require any replacement, choose option (e), i.e. "No replacement required" as your answer.

Scientists **announce the discovery of a new species of orchid** in the Amazon rainforest, showcasing the incredible biodiversity of the region.

- (A) announced the discovery of a new species of orchid
- (B) announcing the discovery of a new species of orchid
- (C) announce the discovered of a new species of orchid
- (D) announced the discovery with newly species of orchid
- (E) No replacement required

Q17 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

In the U.S., the _____ **(surpluses (A), outcomes (B))** from pandemic-era cash transfers, made to help families tide over the distress wrought by COVID-19 and the cost-of-living crisis in its _____ **(austerity (A), aftermath (B))**, have all but depleted.

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q18 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

The recent _____ **(reconsideration (A), prohibition (B))** by the Goods and Services Tax (GST) Council regarding the taxation of gambling activities, including casinos, horse racing, and online gaming, has raised doubts and _____ **(interpretations (A), uncertainties (B))**.

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q19 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

The withdrawal of 2,000-rupee banknotes and healthy capital flows have led to a _____ **(inventory (A), sustained (B))**



surplus in systemic liquidity through FY2024 so far, unlike the _____ (**fluctuations (A), integration (B)**) between deficits and surpluses seen through H2 FY2023.

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q20 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

While the potential is almost limitless, we are not immune to the adverse impact of several global _____ (**crises (A), initiatives (B)**) including climate emergency, persisting inflation, _____ supply chain _____ (**disruptions (A), logistics (B)**), muted demand conditions in some major economies and the impact of geopolitical dynamics.

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q21 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

The latest stock market gyrations _____ (**induced (A), drive (B)**) in large measure by the stock rout in leading

infrastructure and commodities intensive _____ (**agglomerate (A), conglomerate (B)**), the Adani group, over the last two trading sessions last week has cast the spotlight back on India's regulatory environment.

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q22 Directions: In the following questions, a sentence is given with two blanks, the blanks are then followed by two highlighted words (A) and (B), you have to choose the correct words to fill the blanks.

A petition had sought the Court's direction to States to frame rules for granting menstrual pain leave for students and working women, but there are _____ (**cynicism (A), apprehensions (B)**) that these could entrench existing stigma and also result in furthering _____ (**discrimination (A), violation (B)**).

- (A) AA
- (B) AB
- (C) BA
- (D) BB
- (E) None of these

Q23 Directions: There are three sentences given in each question. Find the sentence(s) which is/are grammatically correct and mark your answer choosing the best possible alternative among the five options given below each question. If all the sentences are incorrect, choose (e) i.e. 'None is correct' as your answer.

(A) With their pioneering research project at the institution reaching its completion, the city was



swiftly engulfed by an unforeseen disaster.

(B) No sooner they concluded their groundbreaking work than an unexpected calamity struck, throwing the entire urban area into disarray and requiring swift response and recovery efforts.

(C) The stark contrast between the optimism generated by their achievements and the sudden turmoil that followed highlighted the unpredictability of life.

- (A) Only (A)
- (B) Both (A) and (C)
- (C) Both (C) and (B)
- (D) Only (B)
- (E) None is correct

Q24 Directions: There are three sentences given in each question. Find the sentence(s) which is/are grammatically correct and mark your answer choosing the best possible alternative among the five options given below each question. If all the sentences are incorrect, choose (e) i.e. 'None is correct' as your answer.

(A) According to the latest economic indicators unveiled by the finance department, there has been a remarkable upswing in the government's earnings from the prior fiscal year.

(B) This boost in revenue reflects a positive trend in the nation's fiscal landscape, indicating potential growth and financial stability.

(C) Based on the most recent statistical information, the government experienced a notable surge in its revenue from the preceding fiscal year, as total tax collections surged to an impressive amount of nearly Rs. 150 thousands crores.

- (A) Only (A)
- (B) Both (A) and (C)
- (C) Both (C) and (B)
- (D) Only (C)
- (E) None is correct

Q25 Directions: There are three sentences given in each question. Find the sentence(s) which is/are grammatically correct and mark your answer choosing the best possible alternative among the five options given below each question. If all the sentences are incorrect, choose (e) i.e. 'None is correct' as your answer.

(A) The relentless dedication of this team are truly remarkable, as it not only drives projects forward but also fosters a collaborative environment that nurtures innovation and ensures success.

(B) Their commitment to excellence is evident in every task they undertake, and their cohesive approach inspires confidence among colleagues and stakeholders alike.

(C) This synergy not only enhances productivity but also creates a positive work atmosphere that encourages individual growth and collective achievement.

- (A) Only (A)
- (B) Both (A) and (C)
- (C) Both (C) and (B)
- (D) Only (C)
- (E) None is correct

Q26 Direction: Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. A solar-powered aircraft successfully



completed its historic around-the-world
 B. Revolutionize air travel and reduce carbon emissions.
 C. In a groundbreaking achievement for renewable energy,
 D. Journey, highlighting the potential of clean technologies to

- (A) CADB (B) DCBA
 (C) CBDA (D) BDAC
 (E) ADBC

Q27 Direction: Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. of its customers, raising questions about the vulnerability of personal
 B. Amidst growing concerns over cybersecurity, a multinational
 C. information and the urgent need for stronger digital safeguards.
 D. conglomerate announced a massive data breach affecting millions

- (A) CADB (B) DCBA
 (C) CBDA (D) BDAC
 (E) ADBC

Q28 Direction: Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. The global art market witnessed a record-breaking auction
 B. reflecting the enduring value of fine art as an investment and
 C. the continued demand from collectors around the world.
 D. as an iconic masterpiece by a renowned artist fetched an astonishing price,

- (A) CADB (B) DCBA

- (C) CBDA (D) BDAC
 (E) ADBC

Q29 Direction: Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. scientists emphasized the alarming rate at which glaciers are
 B. mitigate the impacts of rising sea levels and extreme weather events.
 C. With climate change accelerating, a new report issued by international
 D. melting in polar regions, underscoring the need for immediate global action to

- (A) CADB (B) DCBA
 (C) CBDA (D) BDAC
 (E) ADBC

Q30 Direction: Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. Disorder, offering hope to patients and medical professionals seeking
 B. A major pharmaceutical company unveiled promising results from its clinical
 C. Innovative solutions to address previously untreatable conditions.
 D. Trials of a potential breakthrough treatment for a rare neurological

- (A) CADB (B) DCBA
 (C) CBDA (D) BDAC
 (E) ADBC

Q31 20, 32, 47, 57, _, 80

- (A) 72 (B) 76
 (C) 82 (D) 46
 (E) none of these



Q32 217, ?, 247, 277, 317, 367

- (A) 227 (B) 237
(C) 222 (D) 232
(E) 247

Q33 100,_,228,299,372,451

- (A) 263 (B) 161
(C) 158 (D) 166
(E) none of these

Q34 80,_,117,168,271,478

- (A) 94 (B) 98
(C) 92 (D) 106
(E) 72

Q35 40, 66, 116, 198, 320, _

- (A) 489 (B) 640
(C) 490 (D) 580
(E) none of these

Q36 The following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give the answer as,

I) $3x^2 - 16x + 20 = 0$

II) $y^2 + 3y - 10 = 0$

- (A) $x > y$
(B) $x \geq y$
(C) $x = y$ or relationship can't be determined.
(D) $x < y$
(E) $x \leq y$

Q37 I) $x^2 - 19x + 84 = 0$

II) $y^2 - 21y + 110 = 0$

- (A) $x > y$
(B) $x \geq y$
(C) $x < y$
(D) $x \leq y$
(E) $x = y$ or relationship can't be determined.

Q38 I) $5x^2 - 19x + 18 = 0$

II) $y^2 - 8y + 12 = 0$

(A) $x > y$

(B) $x \geq y$

(C) $x = y$ or relationship can't be determined.

(D) $x \leq y$

(E) $x < y$

Q39 I) $x^2 - 31x + 228 = 0$

II) $y^2 - 15y + 56 = 0$

(A) $x > y$

(B) $x \geq y$

(C) $x = y$ or relationship can't be determined.

(D) $x < y$

(E) $x \leq y$

Q40 I) $x^2 + 12x + 32 = 0$

II) $y^2 + 5x + 6 = 0$

(A) $x > y$

(B) $x \geq y$

(C) $x = y$ or relationship can't be determined.

(D) $x < y$

(E) $x \leq y$

Directions (41-45) Read the following passage and answer the given questions.

Study the following information carefully and answer the questions given below.

The given table chart shows the number of males working (public + private) in four different cities namely A, B, C and D and also given the number of females working in these four cities.

City	Number of males working		Number of females working
	Public sector	Private sector	
A	$4x - y$	y	$15x - 4y$
B	21	$3y$	124
C	$4y$	26	$6y$
D	x	30	$10x$

Notes:-

The sum of the number of males working in private sector in City A and C is 56 and the total number of males working in City A is 80.

Q41 If the number of females working in private sector in City A is z and the



number of females working in public sector in City A is $5x$ more than the number of males working in public sector in City D, then find the value of z .

- (A) 40
- (B) 54
- (C) 60
- (D) 75
- (E) None of these

Q42 If the total number of males working in City E is $5x\%$ more than that of City D and the ratio of the number of males working in public to private sector in City E is 7:3, then find the number of males working in private sector in City E.

- (A) 20
- (B) 30
- (C) 45
- (D) 28
- (E) None of these

Q43 40% and 50% of the women in City A and B respectively are working in public sector. Find the difference between the number of females working in private sector in City A and B respectively.

- (A) 30
- (B) 24
- (C) 38
- (D) 46
- (E) None of these

Q44 If the total number of females working in public sector in City C and D together is 240 and the ratio of the number of females working in private sector in City C to D is 4:3, then find the number of females working in Public sector in City D is what percentage of the number of

females working in public sector in City C?

- (A) 140%
- (B) 150%
- (C) 120%
- (D) 130%
- (E) None of these

Q45 Find the ratio of the total number of males working in City A to the number of females working in City D.

- (A) 4:3
- (B) 3:2
- (C) 2:5
- (D) 2:7
- (E) None of these

Q46 The height and the radius of the right circular cylinder is in the ratio of 2:1 and the total surface area of the right circular cylinder is $924 m^2$. Find the volume of the right circular cylinder.

- (A) $2189 m^3$
- (B) $2266 m^3$
- (C) $3168 m^3$
- (D) $2156 m^3$
- (E) None of these

Q47 The average temperature on Monday, Tuesday and Wednesday is 130° and the temperature on Monday is 50° less than that of Wednesday and the temperature on Tuesday is 50° less than that of Monday. Find the ratio of the temperature on Tuesday to Wednesday.

- (A) 4:3
- (B) 3:7
- (C) 5:9
- (D) 4:9
- (E) none of these

Q48 12 men can complete a piece of work in x days, working 7 hours a day. 21 women complete the same work in $(x+24)$ days, working 5 hours a day. How many days will 24 women take to complete the work, working $(\frac{x}{4})$ hours a day if



the efficiency of a man is double that of a woman?

- (A) 52 days (B) 35 days
(C) 26 days (D) 28 days
(E) None of these

Q49 The expenditure of A is four times the savings of B and the savings of A is $\frac{3}{20}$ th of the expenditure of B. If the ratio of the income of A to B is 19:24 and the difference between the income of A and B is 2500, then find the savings of A.

- (A) Rs.1500 (B) Rs.2400
(C) Rs.1800 (D) Rs.2900
(E) none of these

Q50 Ram and Sam entered into a business with an investment in the ratio of 15:8. After one year, Sam added Rs.2000 and after one more year, Ram withdrew Rs.2500. At the end of three years, the profit Ram is 25% more than the profit share of Sam. Find the initial investment of Ram.

- (A) Rs.7500 (B) Rs.4500
(C) Rs.9000 (D) Rs.6000
(E) none of these

Q51 The downstream speed of boat A is equal to the upstream speed of boat B. Boat A covers M km upstream in t hours and boat B covers the same distance downstream in (t-4) hours. If the speed of (in still water) boat A and boat B is 14 km/hr and 22 km/hr respectively, then find the value of M.

- (A) 72 (B) 65
(C) 80 (D) 94
(E) 105

Q52 Suriya bought an iron box for Rs.1500 and also spent some amount on its transportation. He sold the iron box to Nalini at a profit of 20% and

Nalini sold it to Indhu at a loss of 10%. Find the amount spent on transportation if Indhu bought the iron box for Rs.1890.

- (A) 200 (B) 100
(C) 250 (D) 350
(E) none of these

Q53 Ratio of the age of Kavin after 4 years to the age of Bala after 6 years is 4:3 and the age of Kavin after x years is equal to the age of Ria after $(\frac{x}{2})$ years. If Bala is 17 years younger than Ria and the age of Kavin 5 years ago is 19 years, then find the value of x.

- (A) 16 (B) 10
(C) 12 (D) 18
(E) None of these

Q54 Train A crosses a platform of $\frac{4}{5}$ th of its length in 27 seconds and it also crosses 80 m bridge in 19 seconds. Find the time taken by train A to cross a man travelling in train B in opposite direction if the speed of train B is 36 km/hr.

- (A) 10 seconds
(B) 20 seconds
(C) 18 seconds
(D) 25 seconds
(E) none of these

Q55 Pipes P can fill 87.5% of the tank in 14 minutes, pipe Q can fill one-third of the tank in 4 minutes and pipe R can fill half of the tank in 24 minutes. If pipes P and Q opened together and after x minutes, pipe Q closed and pipe R opened, then pipes P and R together fill the remaining tank in 5 minutes. Find the value of x.

- (A) 7 (B) 5
(C) 4 (D) 3
(E) none of these

Q56 The time taken by car A to cover 3x km is equal to the time taken by car B to cover 2x km and



the speed of car A is 15 km/hr more than that of B. If the speed of car B is increased by 4 km/hr, then find the time taken by car B to cover 170 km.

- (A) 4 hours (B) 5 hours
(C) 7 hours (D) 3 hours
(E) none of these

Q57 A had certain number of chocolates. Out of the 60% of the chocolates with A, he gave 80% of the chocolates to B and the remaining to C. If the difference between the number of chocolates left with A and the number of chocolates with B, then find the total number of chocolates A had

- (A) 2000 (B) 1800
(C) 1900 (D) 1200
(E) none of these

Q58 A person invested Rs.20000 in compound interest at 10% per annum for 2 years. If he invested the amount received as interest after two years in compound interest at the same rate of interest for the same period, then find the amount received finally.

- (A) 4104 (B) 5082
(C) 3765 (D) 2875
(E) none of these

Q59 A vessel contains 79.99 liters of a mixture of milk and water in which 20.13% of water. If 24.99% of the mixture is taken out and x liters of water is added to the mixture, then the ratio of milk to water becomes 12:5. Find the value of x.

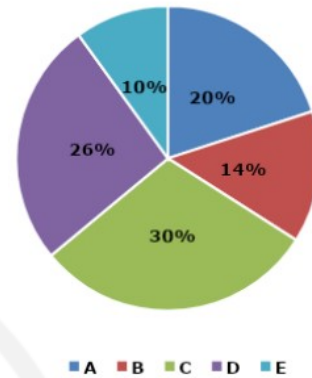
- (A) 8 (B) 4
(C) 9 (D) 7
(E) none of these

Directions (60-64) Read the following passage and answer the given questions.

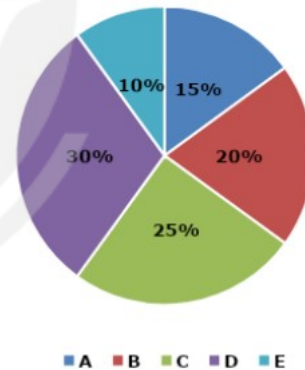
Study the following information carefully and answer the questions

The given pie chart shows the percentage distribution of the total number of students in five different schools i.e. A, B, C, D and E.

Note: The total number of students in all five schools together is 2500 and the total number of boys in all five schools together is 1200.



The given pie chart shows the percentage distribution of the number of boys in five different schools i.e. A, B, C, D and E.



Q60 If the total number of students in school F is B% more than that of school A and the ratio of the number of girls in school B to school F is 11:21 and the number of boys in school E is $\frac{1}{3}$ rd of the number of boys in school F, then find the value of B.

- (A) 20 (B) 14
(C) 18 (D) 21



(E) none of these

- Q61** The total number of boys in schools B and D together is what percentage of the total number of students in school C?
 (A) 45% (B) 75%
 (C) 50% (D) 80%
 (E) none of these
- Q62** Find the ratio of the number of girls in school C to the total number of boys in schools A and E together.
 (A) 7:2 (B) 3:5
 (C) 3:2 (D) 2:3
 (E) none of these
- Q63** If the total number of girls in schools D, E and X together is 670 and the ratio of the total number of students in school D to school X is 13:16, then find the number of boys in school X.
 (A) 630 (B) 550
 (C) 435 (D) 570
 (E) none of these
- Q64** If the sum of the corresponding degree distribution of the number of boys in school A and the total number of students in school C is equal to $(x+10.4)$, then find the value of $(x+8.4)$.
 (A) 200 (B) 190
 (C) 180 (D) 160
 (E) none of these
- Q65** If digits of a two digit number(x) are interchange to form a new two digit number(y) then the difference between x and y is 17.99. The sum of the digits of both the numbers is 12.01. What will be the approximate value when we multiply the digits of that number.
 (A) 10 (B) 8
 (C) 14 (D) 12

(E) none of these

- Q66** In the number '76821435', '1' is subtracted from each even digit and '2' is added to each odd digit, then the numbers which occur twice are removed, find the sum of remaining digits.
 (A) 7
 (B) 11
 (C) 8
 (D) 10
 (E) None of the above

Directions (67-69) Read the following passage and answer the given questions.

Study the following information carefully and answer the questions accordingly.

A certain number of people are sitting in a linear row, facing north. There are three people sitting between A and B. B sits fifth to the right of C. D sits near to C. D sits at the end of the row. The number of people sitting between A and D is the same number of people sitting between C and F. F sits near to E. The number of people sitting between D and F is twice the number of people sitting left of G. The number of people sitting to the left of G is same number of people sitting right of F.

- Q67** How many people are sitting between G and B ?
 (A) Two
 (B) Three
 (C) None
 (D) None of the above
 (E) Four
- Q68** How many people sit to the right of E?
 (A) Three (B) One
 (C) Two (D) Four
 (E) More than four



Q69 Who sits exactly between D and A?

- (A) B
- (B) G
- (C) C
- (D) F
- (E) None of the above

Q70 In a certain code language "Auto Update State" is coded as "6 5 9", "State Design Normal" is coded as "6 7 2" and "Normal Reset Task" is coded as "7 1 3". How is "Design" written in that code?

- (A) Can not be determined
- (B) 7
- (C) 6
- (D) 2
- (E) None of the above

Q71 In the given questions, assuming the given statements to be true. Find which of the given two conclusions number I and II is/are definitely true and give your answer accordingly.

Statements:

$$M < N = O ; P = Q \geq R = M$$

Conclusions:

- I. $Q \geq N$
- II. $R < O$
- (A) Only conclusion I true
- (B) Only conclusion II true
- (C) Either conclusion I or conclusion II true
- (D) Neither conclusion I nor conclusion II true
- (E) Both conclusion I and conclusion II true

Q72 In the given questions, assuming the given statements to be true. Find which of the given two conclusions number I and II is/are definitely true and give your answer accordingly.

Statements:

$$F \geq D > I = B ; C > A = E \leq B$$

Conclusions:

- I. $I > C$
- II. $E < F$
- (A) Only conclusion I true
- (B) Only conclusion II true
- (C) Either conclusion I or conclusion II true
- (D) Neither conclusion I nor conclusion II true
- (E) Both conclusion I and conclusion II true

Q73 In the given questions, assuming the given statements to be true. Find which of the given two conclusions number I and II is/are definitely true and give your answer accordingly.

Statements:

$$S > R > B ; G < B = W \leq V$$

Conclusions:

- I. $S > G$
- II. $R \geq V$
- (A) Only conclusion I true
- (B) Only conclusion II true
- (C) Either conclusion I or conclusion II true
- (D) Neither conclusion I nor conclusion II true

Directions (74-78) Read the following passage and answer the given questions.

Answer the questions based on the information given below.

Five boxes are kept one above the other like a stack. Different fruits are kept in the box. There are two boxes between E and Guava. There is one box between B and Guava. The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D is kept above A, but does not kept at the top most position. One of the boxes contains Orange fruit.



- Q74** Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to that group.
- (A) C-Guava
(B) E-B
(C) Pineapple-Banana
(D) D-Guava
(E) Guava-A
- Q75** Which of the following box is placed two positions below Box E?
- (A) Box which has Orange
(B) Box which has Apple
(C) Box C
(D) Box D
(E) None of these
- Q76** How many boxes are there between Box A and the box which has orange?
- (A) 1
(B) 2
(C) 3
(D) Can't be determined
(E) 0
- Q77** Which of the following box is placed just below the box which has orange?
- (A) Box A
(B) Box which has Banana
(C) Box B
(D) Box which has Guava
(E) Box F
- Q78** How many boxes are placed above the box which has Guava?
- (A) Two (B) Three
(C) None of these (D) One
(E) None
- Q79** If the 2nd, 3rd, 6th and 8th letters of the word "SCORPION" are selected, and a meaningful

word is formed then what will be the 3rd letter of the meaningful word from the left end? Mark X, if no meaningful word can be formed. Mark Y, if more than one meaningful word is possible.

- (A) I
(B) X
(C) Y
(D) O
(E) None of the above

Directions (80-84) Read the following passage and answer the given questions.

Answer the questions based on the information given below.

Eight friends A, B, C, D, E, F, G and H are sitting around a square table in such a way four of them sit at four corners while four sit in the middle of each of the four sides. The one who sits at the corners faces the outside and others facing the inside. B faces inside the square table. There are two people sitting between B and G. C sits second to the left of G. C and H sits opposite to each other. H sits near to A who does not sit near to G. E sits second to the right of D.

- Q80** How many persons sit between H and B when counted from the left of B?
- (A) Four (B) Five
(C) Three (D) Two
(E) One
- Q81** Which of the following statements is true?
- (A) F face inside.
(B) B faces F
(C) C sits to the immediate right of E.
(D) A does not face E.
(E) G sits second to the left of H.

Q82



How many persons sit between F and H when counted from the left of F?

- (A) No one
- (B) One
- (C) Two
- (D) Four
- (E) More than four

Q83 Who sits exactly between A and D?

- (A) F (B) B
- (C) E (D) G
- (E) H

Q84 Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to that group.

- (A) G (B) C
- (C) H (D) A
- (E) F

Q85 In each question below are given three statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read both the statements and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

Only a few Buses are Car.
No Car is Scooter.
Only a few Scooter are Tempos.

Conclusions:

- I. Some Buses can never be Scooter.
- II. No Tempos is Buses.
- (A) Only conclusion I follow
- (B) Only conclusion II follows
- (C) Either conclusion I or conclusion II follows

- (D) Neither conclusion I nor conclusion II follows
- (E) Both conclusion I and conclusion II follows

Q86 In each question below are given three statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read both the statements and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

All Yellow are Blue.
All Blue are Black.
Only a few Black are Green.

Conclusions:

- I. Some Yellow being Green is a possibility.
- II. Some Blue can never be Green
- (A) Only conclusion I follow
- (B) Only conclusion II follows
- (C) Either conclusion I or conclusion II follows
- (D) Neither conclusion I nor conclusion II follows
- (E) Both conclusion I and conclusion II follows

Q87 In each question below are given three statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read both the statements and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements:

All Sony are Philips.
No LG are JBL.
Only a few JBL is Philips.

Conclusions:



- I. Some Philips are not LG.
 II. No LG is Sony.
- (A) Only conclusion I follow
 (B) Only conclusion II follows
 (C) Either conclusion I or conclusion II follows
 (D) Neither conclusion I nor conclusion II follows
 (E) Both conclusion I and conclusion II follows

Directions (88-92) Read the following passage and answer the given questions.

Study the following information carefully and answer the questions given below.

There are nine students A, B, C, D, E, F, G, H and I, who choose three different cities for further studies i.e. Barcelona, Dehradun and Texas. At least two and not more than four people choose the same cities.

I choose Texas, but not with G. Only A and C choose the same city. D and B choose the same city. H and I did not choose the same city. G chose Barcelona for further studies. E and D did not choose the same city. D and G choose the same city for further studies.

- Q88** Which of the following city F choose for study ?
 (A) Cannot be determined
 (B) Barcelona
 (C) Texas
 (D) None of the above
 (E) Dehradun
- Q89** Which city does E chooses?
 (A) Cannot be determined
 (B) Barcelona
 (C) Texas
 (D) None of the above
 (E) Dehradun
- Q90** Which two people choose the same city?

- (A) G and E
 (B) E and F
 (C) F and D
 (D) B and I
 (E) None of these

Q91 Which of the combinations is not correct?

- (A) A - Dehradun
 (B) C - Dehradun
 (C) E - Texas
 (D) H - Texas
 (E) B - Barcelona

Q92 Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to that group.

- (A) E (B) G
 (C) H (D) D
 (E) B

Q93 How many pairs of letters are there in the word '**ASPIRING**' which have as many as letters between them in the word as in alphabetical series (Both forward and backward)?

- (A) One
 (B) Three
 (C) None of the above
 (D) Two
 (E) None

Directions (94-98) Read the following passage and answer the given questions.

Study the following information carefully and answer the questions given below.

Six persons-A, B, C, D, E and F graduate on two different dates either 7th or 24th in three different months viz. May, July and September of the same year. Each of them belong to different cities. All the information is not



necessarily in the same order.

F graduates on an odd-numbered date in the month having an odd number of days. Only two people graduate between the one who belongs to Surat and F. C and B graduate on the same date but none of them graduate in September. The one who belongs to Delhi graduates immediately before B but not in July. The number of people graduate after E is the same number of people before the one who belongs to Bangalore. E does not graduate in May. Only one person graduate between the one who belongs to Mumbai and Hyderabad. A graduate immediately after the one who belongs to Hyderabad. Neither E nor D belongs to Mumbai. One of them belongs to Goa.

- Q94** C belongs to _____?
 (A) None of the these
 (B) Bangalore
 (C) Mumbai
 (D) Goa
 (E) Hyderabad
- Q95** Who graduates on the 24th of July?
 (A) A (B) B
 (C) C (D) D
 (E) E
- Q96** In which month does the person belonging to Surat graduate?
 (A) May
 (B) July
 (C) September
 (D) Either May or September
 (E) Either July or May
- Q97** Which city does D belong to?
 (A) Hyderabad
 (B) Delhi
 (C) Goa

- (D) Bangalore
 (E) Cannot be determined

- Q98** How many people graduate between C and the one belonging to Hyderabad?
 (A) None (B) One
 (C) Two (D) Three
 (E) Four

Directions (99-100) Read the following passage and answer the given questions.

Study the following data carefully and answer the questions accordingly.

Abhishek facing east, he moves 6m in the east direction from point A and reaches point B. From point B he moves 8m to the north to reach point P. Then, from point P he moves 7m in the east direction to reach point Q. From point Q, he moves 8m in the south direction to reach point C. Then, from point C, he takes a left turn and moves 5m to reach point D. Finally, from point D he moves 8m to the north to reach point R.

- Q99** What is the direction of point D with respect to point P?
 (A) South
 (B) North
 (C) North-West
 (D) South-East
 (E) None of the above
- Q100** If there is a point N, which is 5m to the north of point R then, what is the shortest distance between point P and point N?
 (A) 15m
 (B) 14m
 (C) 13m
 (D) 12m



(E) None of the above



Answer Key

Q1 (B)
Q2 (B)
Q3 (B)
Q4 (B)
Q5 (D)
Q6 (D)
Q7 (E)
Q8 (D)
Q9 (E)
Q10 (E)
Q11 (B)
Q12 (D)
Q13 (D)
Q14 (D)
Q15 (D)
Q16 (E)
Q17 (B)
Q18 (B)
Q19 (C)
Q20 (A)
Q21 (B)
Q22 (C)
Q23 (D)
Q24 (D)
Q25 (A)
Q26 (C)
Q27 (D)

Q28 (E)
Q29 (A)
Q30 (D)
Q31 (A)
Q32 (A)
Q33 (B)
Q34 (C)
Q35 (C)
Q36 (B)
Q37 (E)
Q38 (D)
Q39 (A)
Q40 (D)
Q41 (C)
Q42 (B)
Q43 (D)
Q44 (A)
Q45 (C)
Q46 (D)
Q47 (D)
Q48 (D)
Q49 (A)
Q50 (A)
Q51 (B)
Q52 (C)
Q53 (A)
Q54 (A)



- Q55 (C)
- Q56 (B)
- Q57 (B)
- Q58 (B)
- Q59 (A)
- Q60 (B)
- Q61 (D)
- Q62 (C)
- Q63 (B)
- Q64 (D)
- Q65 (B)
- Q66 (D)
- Q67 (C)
- Q68 (D)
- Q69 (B)
- Q70 (D)
- Q71 (B)
- Q72 (B)
- Q73 (A)
- Q74 (A)
- Q75 (D)
- Q76 (C)
- Q77 (C)

- Q78 (B)
- Q79 (C)
- Q80 (A)
- Q81 (C)
- Q82 (B)
- Q83 (E)
- Q84 (D)
- Q85 (A)
- Q86 (A)
- Q87 (A)
- Q88 (C)
- Q89 (C)
- Q90 (B)
- Q91 (D)
- Q92 (A)
- Q93 (B)
- Q94 (D)
- Q95 (C)
- Q96 (C)
- Q97 (B)
- Q98 (A)
- Q99 (D)
- Q100 (C)



Hints & Solutions

Q1. Text Solution:

The correct answer is (b) because the phrase "Harry Potter moment" in the passage indicates a pivotal moment or a turning point, similar to how the Harry Potter series showcases significant events that change the course of the narrative.

(a) Incorrect: This option incorrectly interprets the phrase as representing a magical victory from fantasy literature, rather than a significant moment in cricket history as intended in the passage.

(c) Incorrect: This option goes beyond the context of the passage by suggesting an influence of pop culture, which is not supported by the text.

(d) Incorrect: This option inaccurately suggests an unexpected defeat, which is not related to the meaning of the "Harry Potter moment" mentioned in the passage.

Q2. Text Solution:

The correct answer reflects a nuanced stance of cautious assessment of Gavaskar's comparison. The author's tone indicates a subtle reservation rather than explicit support, dismissal, neutrality, or indifference.

(a) Incorrect: The author doesn't express explicit support or appreciation for Gavaskar's comparison; instead, they present a different perspective without dismissing Gavaskar's observations entirely. The author's tone is not wholly supportive or appreciative.

(c) Incorrect: While the author presents multiple viewpoints, the passage subtly leans towards a particular stance rather than maintaining complete neutrality. The tone implies a degree of caution against direct comparisons.

(d) Incorrect: The author's tone isn't indifferent, as they engage in analyzing and presenting a

viewpoint, suggesting a tone more than mere factual presentation. There's a cautious tone rather than sheer indifference.

Q3. Text Solution:

The correct answer is (b) as the phrase implies that only a few people expected or believed that Kapil Dev's team would amaze or impress the world. Options (a), (c), and (d) incorrectly interpret the implied meaning in the passage.

(a) Incorrect: This option incorrectly interprets the phrase by suggesting widespread confidence, which is contrary to the passage's implication of limited expectations.

(c) Incorrect: The phrase does not indicate a consistent track record of impressive performances, making this option unsupported by the text.

(d) Incorrect: While the team might have been popular, the passage emphasizes the lack of expectations rather than popularity.

Q4. Text Solution:

The suitable title should encapsulate the essence of various themes discussed, including the comparison between innings, historical context, and cautionary notes about such comparisons. The incorrect options fail to encompass the comprehensive nature of the passage's content.

(a) Incorrect: This title heavily emphasizes the comparison between Maxwell and Kapil Dev, overlooking other aspects discussed in the passage, such as historical significance and caution against direct comparisons.

(c) Incorrect: The title overly emphasizes Gavaskar's views, neglecting the broader discussion encompassing historical context and



the cautionary note against direct comparisons.

(d) Incorrect: This option broadly focuses on unparalleled performances without specifying the context of World Cup innings, missing the nuanced discussion presented in the passage.

Q5. Text Solution:

Statement I: Incorrect. The passage emphasizes the significant impact of Kapil Dev's innings on India's subsequent success in the tournament.

Statement II: Incorrect. The passage doesn't primarily emphasize the significance of Gavaskar's comparison. Instead, it discusses various aspects, including historical significance, caution against direct comparisons, and the transformative nature of Kapil Dev's innings.

Statement III: Incorrect. The author's tone in the passage appreciates historical contexts and their significance in cricket, contrary to suggesting indifference.

Therefore, the correct answer is (d) All statements are incorrect. Each statement misinterprets or misrepresents the information conveyed in the passage regarding Kapil Dev's innings, the primary focus, and the author's tone regarding historical context.

Q6. Text Solution:

The error in the sentence lies in part (d): "few among his compatriots counting in them to wow the world." The correct phrase should be "few among his compatriots counting on them to wow the world." The preposition "on" is more appropriate here to convey reliance or expectations placed upon someone or something. Therefore, the correct choice highlighting the error is (d).

(a) It, of course, is another matter that Maxwell plays for a team that has already: This part of the sentence is grammatically correct.

(b) won five World Cups, but it also gives an idea of what the top of the: This part of the sentence is also grammatically correct. It introduces the contrast between Maxwell's team's achievements and the situation being described about Kapil Dev's team.

(c) mountain looked like when Kapil Dev with his team made it to the foothills: This part of the sentence is grammatically correct. It sets the stage for a metaphorical description comparing the achievements of Kapil Dev's team to climbing a mountain.

Q7. Text Solution:

This phrase encapsulates the essence of the passage by emphasizing a geopolitical change in cricket's landscape, aligning with the narrative of how a specific event reshaped the global cricket scenario by empowering the Indian subcontinent.

(a) Incorrect: This option suggests a different evolution for cricket, focusing on spectator influence rather than a shift in power dynamics to the Indian subcontinent. It does not align with the context of the passage, which emphasizes a change in cricket's global power structure.

(b) Incorrect: The option proposes cricket becoming the most lucrative game, but the passage discusses a significant change related to the shift in the balance of power to the Indian subcontinent, not specifically financial aspects or becoming the most lucrative game.

(c) Incorrect: The phrase suggests a drastic change from an outdoor sport to an indoor one, which contradicts the actual context of a power shift in cricket to the Indian subcontinent.

(d) Incorrect: This option implies a shift towards conventional match formats, which doesn't resonate with the passage's emphasis on a shift in the balance of power to the Indian subcontinent. The passage doesn't focus on altering match



formats but rather on a geopolitical change in cricket.

Q8. Text Solution:

(a) Incorrect: The interpretation of "Snubbed as a callow youth" doesn't align with the actual meaning in the passage. Also, "made its landfall" and "pulled it off" are inaccurately defined.

(b) Incorrect: The meanings assigned to all three idioms/phrases do not match their actual usage in the passage.

(c) Incorrect: While some meanings are close, they misinterpret the precise context and implications of the idioms/phrases.

(d) Correct: This option correctly defines the idioms/phrases based on their context in the passage: "Snubbed as a callow youth" denotes rejection due to youth and inexperience; "made its landfall" implies the arrival or impact of something significant; "pulled it off" indicates successfully achieving something challenging despite obstacles.

Q9. Text Solution:

D. The paragraph begins by introducing the central role of data in AI innovations and its potential to address global challenges. This serves as the foundation for the subsequent information.

B. After establishing the importance of data, the focus shifts to policymakers who are designing legal frameworks for data governance. This follows logically from the introduction in D because it elaborates on the efforts being made in response to the challenges introduced.

C. Continuing from the discussion about policymakers and their efforts, this sentence provides a specific recent development in India. The passing of the Digital Personal Data Protection Bill is a significant event in the context of data governance, and it naturally follows the global perspective mentioned in B.

A. With the introduction of the DPDP Bill in C, this sentence logically follows to explain the purpose and aims of the bill. It is a direct elaboration of the Indian policy introduced in C, offering more details on its content.

E. Finally, the paragraph concludes by reflecting on the broader implications of these regulatory frameworks. It logically follows the discussion about the DPDP Bill (A) as it addresses the broader challenges and requirements for implementing such norms.

In summary, each sentence naturally builds upon the information provided in the previous sentences, creating a coherent and logical progression from the importance of data (D) to global policymaking (B) and its specific application in India (C and A), and finally, the broader considerations for implementing such frameworks (E).

The correct sequence of the jumbled paragraph is DBCAE.

Hence the correct option choice is (e).

Q10. Text Solution:

D. The paragraph begins by introducing the central role of data in AI innovations and its potential to address global challenges. This serves as the foundation for the subsequent information.



B. After establishing the importance of data, the focus shifts to policymakers who are designing legal frameworks for data governance. This follows logically from the introduction in D because it elaborates on the efforts being made in response to the challenges introduced.

C. Continuing from the discussion about policymakers and their efforts, this sentence provides a specific recent development in India. The passing of the Digital Personal Data Protection Bill is a significant event in the context of data governance, and it naturally follows the global perspective mentioned in B.

A. With the introduction of the DPDP Bill in C, this sentence logically follows to explain the purpose and aims of the bill. It is a direct elaboration of the Indian policy introduced in C, offering more details on its content.

E. Finally, the paragraph concludes by reflecting on the broader implications of these regulatory frameworks. It logically follows the discussion about the DPDP Bill (A) as it addresses the broader challenges and requirements for implementing such norms.

In summary, each sentence naturally builds upon the information provided in the previous sentences, creating a coherent and logical progression from the importance of data (D) to global policymaking (B) and its specific application in India (C and A), and finally, the broader considerations for implementing such frameworks (E).

The correct sequence of the jumbled

paragraph is DBCAE.

Hence the correct option choice is (e).

Q11. Text Solution:

D. The paragraph begins by introducing the central role of data in AI innovations and its potential to address global challenges. This serves as the foundation for the subsequent information.

B. After establishing the importance of data, the focus shifts to policymakers who are designing legal frameworks for data governance. This follows logically from the introduction in D because it elaborates on the efforts being made in response to the challenges introduced.

C. Continuing from the discussion about policymakers and their efforts, this sentence provides a specific recent development in India. The passing of the Digital Personal Data Protection Bill is a significant event in the context of data governance, and it naturally follows the global perspective mentioned in B.

A. With the introduction of the DPDP Bill in C, this sentence logically follows to explain the purpose and aims of the bill. It is a direct elaboration of the Indian policy introduced in C, offering more details on its content.

E. Finally, the paragraph concludes by reflecting on the broader implications of these regulatory frameworks. It logically follows the discussion about the DPDP Bill (A) as it addresses the broader challenges and requirements for implementing such norms.

In summary, each sentence naturally builds upon the information provided in the previous



sentences, creating a coherent and logical progression from the importance of data (D) to global policymaking (B) and its specific application in India (C and A), and finally, the broader considerations for implementing such frameworks (E).

The correct sequence of the jumbled paragraph is DBCAE.

Hence the correct option choice is (b).

Q12. Text Solution:

D. The paragraph begins by introducing the central role of data in AI innovations and its potential to address global challenges. This serves as the foundation for the subsequent information.

B. After establishing the importance of data, the focus shifts to policymakers who are designing legal frameworks for data governance. This follows logically from the introduction in D because it elaborates on the efforts being made in response to the challenges introduced.

C. Continuing from the discussion about policymakers and their efforts, this sentence provides a specific recent development in India. The passing of the Digital Personal Data Protection Bill is a significant event in the context of data governance, and it naturally follows the global perspective mentioned in B.

A. With the introduction of the DPDP Bill in C, this sentence logically follows to explain the purpose and aims of the bill. It is a direct elaboration of the Indian policy introduced in C, offering more details on its content.

E. Finally, the paragraph concludes by reflecting

on the broader implications of these regulatory frameworks. It logically follows the discussion about the DPDP Bill (A) as it addresses the broader challenges and requirements for implementing such norms.

In summary, each sentence naturally builds upon the information provided in the previous sentences, creating a coherent and logical progression from the importance of data (D) to global policymaking (B) and its specific application in India (C and A), and finally, the broader considerations for implementing such frameworks (E).

The correct sequence of the jumbled paragraph is DBCAE.

Hence the correct option choice is (d).

Q13. Text Solution:

D. The paragraph begins by introducing the central role of data in AI innovations and its potential to address global challenges. This serves as the foundation for the subsequent information.

B. After establishing the importance of data, the focus shifts to policymakers who are designing legal frameworks for data governance. This follows logically from the introduction in D because it elaborates on the efforts being made in response to the challenges introduced.

C. Continuing from the discussion about policymakers and their efforts, this sentence provides a specific recent development in India. The passing of the Digital Personal Data Protection Bill is a significant event in the context of data governance, and it naturally



follows the global perspective mentioned in B.

A. With the introduction of the DPDP Bill in C, this sentence logically follows to explain the purpose and aims of the bill. It is a direct elaboration of the Indian policy introduced in C, offering more details on its content.

E. Finally, the paragraph concludes by reflecting on the broader implications of these regulatory frameworks. It logically follows the discussion about the DPDP Bill (A) as it addresses the broader challenges and requirements for implementing such norms.

In summary, each sentence naturally builds upon the information provided in the previous sentences, creating a coherent and logical progression from the importance of data (D) to global policymaking (B) and its specific application in India (C and A), and finally, the broader considerations for implementing such frameworks (E).

The correct sequence of the jumbled paragraph is DBCAE.

Hence the correct option choice is (d).

PENULTIMATE statement is 'Second last statement' and ANTEPENULTIMATE statement is 'third last statement'.

Q14 Text Solution:

The correct sentence is:

In a proactive move, nodal state agencies **set up** an extensive federated system to ensure self-employed workers meet targets set up by the national administration.

Hence, the correct option choice is (d).

According to the rule of grammar:

Let's understand the rule with an example- An extensive federated system was **set** from nodal state agencies for self employed workers to fulfil targets set by the national administration.

System is not 'Set' rather it is established and the phrasal verb used to state the establishment of system is 'Set Up'.

Therefore, in the sentence 'Set' will be replaced by 'Set Up'.

Q15 Text Solution:

The correct sentence is:

The young **adept programmer secures first place** in the international coding competition with a groundbreaking AI-driven software solution.

Hence, the correct option choice is (d).

According to the rule of grammar:

Adapt (Verb)- To Adjust according to the situation.

Adopt (Verb)- Choose to take up, follow, or use.

Adept (Adjective)- Skilled

Q16 Text Solution:

The sentence is grammatically correct. Hence, the correct option choice is (e).

Q17 Text Solution:

Surpluses (A): The word "surpluses" is the correct choice to fill the first blank because it refers to an excess or extra amount of something, often in terms of resources or funds. In this sentence, the context is about cash transfers made during the pandemic to assist families facing distress due to COVID-19 and the cost-of-living crisis. The word "surpluses" fits here because it



indicates that there was an excess or abundance of funds or resources available from these cash transfers.

Aftermath (B): "Aftermath" is the correct word to fill the second blank because it signifies the period that comes after a significant event, often one that brings negative consequences. In this context, the sentence is discussing the time following the distress caused by COVID-19 and the cost-of-living crisis. "Aftermath" accurately captures the idea that the cash transfers were made to help families cope with the challenges during and after these events.

The complete thus formed is:

In the U.S., the **surpluses** from pandemic-era cash transfers, made to help families tide over the distress wrought by COVID-19 and the cost-of-living crisis in its **aftermath**, have all but depleted.

Hence the correct option choice is (b).

Q18 Text Solution:

Reconsideration (A): The word "reconsideration" is the correct choice to fill the first blank because it indicates that the Goods and Services Tax (GST) Council has taken another look at the taxation of gambling activities, such as casinos, horse racing, and online gaming. This implies that there has been a review or a second thought given to the taxation approach. The term "prohibition" does not fit here because it means a formal ban or restriction, which is not the context in this sentence.

Uncertainties (B): "Uncertainties" is the correct word to fill the second blank because it describes the doubts or lack of clarity arising from the recent reconsideration of the taxation

of gambling activities. When there's a reconsideration of taxation policies, it often leads to questions and ambiguities about how the new policies will be implemented. "Interpretations" could also be considered, but "uncertainties" more directly relates to the doubts and lack of clarity mentioned in the sentence.

The complete thus formed is:

The recent **reconsideration** by the Goods and Services Tax (GST) Council regarding the taxation of gambling activities, including casinos, horse racing, and online gaming, has raised doubts and **uncertainties**.

Hence the correct option choice is (b).

Q19 Text Solution:

Sustained (B): The word "sustained" is the correct choice to fill the first blank because it indicates a continuous and ongoing surplus in systemic liquidity. The sentence suggests that the withdrawal of 2,000-rupee banknotes and healthy capital flows have led to a surplus that has been consistently maintained over the time frame of FY2024. "Inventory" does not fit here because it generally refers to a stock of goods or items, whereas "sustained" better aligns with the context of ongoing surplus liquidity.

Fluctuations (A): "Fluctuations" is the correct word to fill the second blank because it reflects the idea of varying or changing levels between deficits and surpluses. The sentence implies that there were changes or shifts between periods of deficits and surpluses during H2 FY2023. "Integration" does not fit here because it implies combining or merging, which is not the context in this sentence.

Hence the correct option choice is (c).

The complete thus formed is:



The withdrawal of 2,000-rupee banknotes and healthy capital flows have led to a **sustained** surplus in systemic liquidity through FY2024 so far, unlike the **fluctuations** between deficits and surpluses seen through H2 FY2023.

Q20 Text Solution:

Crises (A): The word "crises" is the correct choice to fill the first blank because it accurately describes adverse global situations or events that have a significant negative impact. The sentence is mentioning various challenges and issues that can affect the potential being discussed. "Initiatives" wouldn't fit here because initiatives are typically positive actions taken to achieve goals, whereas the context is about negative impacts.

Disruptions (A): "Disruptions" is the correct word to fill the second blank because it refers to unexpected interruptions or disturbances in the normal flow of operations, in this case, the supply chain. The sentence is discussing the adverse impacts of various global factors, including supply chain interruptions. "Logistics" wouldn't fit here as it generally refers to the management and coordination of the flow of goods and services, which doesn't convey the negative impact aspect.

Hence the correct option choice is (a).

The complete thus formed is:

While the potential is almost limitless, we are not immune to the adverse impact of several global **crises** including climate emergency, persisting inflation, supply chain **disruptions**, muted demand conditions in some major economies and the impact of geopolitical dynamics.

Q21 Text Solution:

Induced (A): The word "induced" is the correct choice to fill the first blank because it means that the latest stock market gyrations were brought about or caused by a specific event or factor. In this context, the stock market gyrations were likely triggered by the stock rout in the Adani group. "Drive" could imply that the gyrations themselves are causing the stock rout, which doesn't match the intended meaning.

Conglomerate (B): "Conglomerate" is the correct word to fill the second blank because it refers to a large corporation that is made up of different companies operating in diverse industries. In this case, the Adani group is being described as having a presence in infrastructure and commodities-intensive sectors, which aligns with the definition of a conglomerate. "Agglomerate" doesn't fit here; it refers to a collection of things joined together, often used in a geographical context.

Hence the correct option choice is (b).

The complete thus formed is:

The latest stock market gyrations **induced** in large measure by the stock rout in leading infrastructure and commodities intensive **conglomerate**, the Adani group, over the last two trading sessions last week has cast the spotlight back on India's regulatory environment.

Q22 Text Solution:

Apprehensions (B): The word "apprehensions" is the correct choice to fill the first blank because it refers to concerns, doubts, or worries that people might have about a certain situation or proposal. In this context, the sentence is discussing concerns that granting menstrual



pain leave might have negative consequences. "Cynicism" does not fit here as it implies a general distrust or skepticism, which might not accurately convey the concerns being discussed.

Discrimination (A): "Discrimination" is the correct word to fill the second blank because it refers to unjust or prejudicial treatment of individuals or groups based on certain characteristics. The sentence is suggesting that allowing menstrual pain leave could lead to furthering discrimination or unequal treatment, possibly due to the existing stigma associated with menstrual issues. "Violation" does not fit here, as it doesn't convey the concept of unequal or biased treatment.

Hence the correct option choice is (c).

The complete thus formed is:

A petition had sought the Court's direction to States to frame rules for granting menstrual pain leave for students and working women, but there are **apprehensions** that these could entrench existing stigma and also result in furthering **discrimination**.

Q23 Text Solution:

According to the rule of grammar:

In the statement (B), 'the helping verb 'had' should be placed before the subject 'they'.

When we begin a sentence (or a clause) with a 'negative' adverb or adverbial phrase, we change the word order of the subject and verb. The word order becomes "auxiliary verb + subject". This is called inversion, as we are inverting the usual word order of "subject + verb".

Hence, the correct option choice is (d).

The correct statement is:

(B) No sooner had they concluded their groundbreaking work than an unexpected calamity struck, throwing the entire urban area into disarray and requiring swift response and recovery efforts.

Q24 Text Solution:

According to the rule of grammar:

In the statement (C), the plural 'thousands' should be replaced with 'thousand' as in the combination of 'Number+Unit+Noun', we always use the singular form of unit.

Hence, the correct option choice is (d).

The correct statement is:

Based on the most recent statistical information published by the finance ministry, the government experienced a notable surge in its revenue from the preceding fiscal year, as total tax collections surged to an impressive amount of nearly Rs. 150 thousand crores.

Q25 Text Solution:

In the statement (A), with singular subjects, we always use singular verbs.

Therefore, in the statement, 'are' will be replaced with 'is' as here the subject 'dedication of team' is singular in form.

Hence, the correct option choice is (a).

The correct statement is:

The relentless dedication of this team is truly remarkable, as it not only drives projects forward but also fosters a collaborative environment that nurtures innovation and ensures success.

Q26 Text Solution:

The correct answer choice is option (c)-CADB
Correct answer: CADB

Q27 Text Solution:

The correct answer choice is option (d)-BDAC
Correct answer: BDAC



Q28 Text Solution:

The correct answer choice is option (e)-ADBC
Correct answer: ADBC

Q29 Text Solution:

The correct answer choice is option (a)-CADB
Correct answer: CADB

Q30 Text Solution:

The correct answer choice is option (d)-BDAC
Correct answer: BDAC

Q31 Text Solution:

$$20+12=32$$

$$32+15=47$$

$$47+10=57$$

$$57+15=72$$

$$72+8=80$$

Q32 Text Solution:

$$217 + 10 = 227$$

$$227 + 20 = 247$$

$$247 + 30 = 277$$

$$277 + 40 = 317$$

$$317 + 50 = 367$$

Q33 Text Solution:

$$100+61=161$$

$$161+67=228$$

$$228+71=299$$

$$299+73=372$$

$$372+79=451$$

Q34 Text Solution:

$$80+12=92$$

$$92+25=117$$

$$117+51=168$$

$$168+103=271$$

$$271+207=478$$

$$12 \times 2 + 1 = 25$$

$$25 \times 2 + 1 = 51$$

$$51 \times 2 + 1 = 103$$

$$103 \times 2 + 1 = 207$$

Q35 Text Solution:

$$40+26=66$$

$$66+50=116$$

$$116+82=198$$

$$198 + 122 = 320$$

$$320+170=490$$

$$26+24=50$$

$$50+32=82$$

$$82+40=122$$

$$122+48=170$$

$$24+8=32$$

$$32+8=40$$

$$40+8=48$$

Q36 Text Solution:

$$3x^2 - 16x + 20 = 0$$

$$3x^2 - 10x - 6x + 20 = 0$$

$$x(3x - 10) - 2(3x - 10) = 0$$

$$x = 2, \frac{10}{3}$$

$$y^2 + 3y - 10 = 0$$

$$y^2 + 5y - 2y - 10 = 0$$

$$y(y + 5) - 2(y + 5) = 0$$

$$y = 2, -5$$

$$x \geq y$$

Q37 Text Solution:

$$x^2 - 19x + 84 = 0$$

$$x^2 - 12x - 7x + 84 = 0$$

$$x(x - 12) - 7(x - 12) = 0$$

$$x = 7, 12$$

$$y^2 - 21y + 110 = 0$$

$$y^2 - 11y - 10y + 110 = 0$$

$$y(y - 11) - 10(y - 11) = 0$$

$$y = 11, 10$$

Relationship can't be determined



Q38 Text Solution:

$$5x^2 - 19x + 18 = 0$$

$$5x^2 - 10x - 9x + 18 = 0$$

$$5x(x - 2) - 9(x - 2) = 0$$

$$x = \frac{9}{5}, 2$$

$$y^2 - 8y + 12 = 0$$

$$y^2 - 2y - 6y + 12 = 0$$

$$y(y - 2) - 6(y - 2) = 0$$

$$y = 6, 2$$

$$x \leq y$$

Q39 Text Solution:

$$x^2 - 31x + 228 = 0$$

$$x^2 - 12x - 19x + 228 = 0$$

$$x(x - 12) - 19(x - 12) = 0$$

$$x = 12, 19$$

$$y^2 - 15y + 56 = 0$$

$$y^2 - 8y - 7y + 56 = 0$$

$$y(y - 8) - 7(y - 8) = 0$$

$$y = 8, 7$$

$$x > y$$

Q40 Text Solution:

$$x^2 + 12x + 32 = 0$$

$$x^2 + 8x + 4x + 32 = 0$$

$$x(x + 8) + 4(x + 8) = 0$$

$$x = -8, -4$$

$$y^2 + 5x + 6 = 0$$

$$y^2 + 3x + 2x + 6 = 0$$

$$y(y + 3) + 2(y + 3) = 0$$

$$y = -2, -3$$

Q41. Text Solution:

Number of males working in private sector in

$$\text{City A} = y = 56 - 26 = 30$$

Number of males working in public sector in City

$$\text{A} = 80 - 30 = 50$$

$$4x - y = 50$$

$$4x - 30 = 50$$

$$4x = 80$$

$$x = 20$$

Number of males working in private sector in
City B = $3 \times 30 = 90$

Number of males working in public sector in City
C = $4 \times 30 = 120$

Number of males working in public sector in City
D = 20

Total number of females working in City A = $15 \times$
 $20 - 4 \times 30 = 300 - 120 = 180$

Total number of females working in City C = $6 \times$
 $30 = 180$

Total number of females working in City D = $10 \times$
 $20 = 200$

City	Number of males working		Number of females working
	Public sector	Private sector	
A	50	30	180
B	21	90	124
C	120	26	180
D	20	30	200

Number of females working in public sector in
City A = $20 + 5 \times 20 = 120$

Number of females working in private sector in
City A = $180 - 120 = 60$

$$z = 60$$

Q42. Text Solution:

Total number of males working in City E = $50 +$
 $50 \times 5 \times \frac{20}{100} = 50 + 50 = 100$

Number of males working in private sector in
City E = $100 \times \frac{3}{10} = 30$

Q43. Text Solution:

Number of females working in private sector in
City A = $180 \times \frac{60}{100} = 108$

Number of females working in private sector in
City B = $124 \times \frac{50}{100} = 62$

$$\text{Required difference} = 108 - 62 = 46$$

Q44. Text Solution:

Number of females working in private sector in
City C and D together = $(180 + 200) - 240 = 380$
 $- 240 = 140$

Number of females working in private sector in
City C = $140 \times \frac{4}{7} = 80$



Number of females working in private sector in

$$\text{City D} = 140 - 80 = 60$$

Number of females working in public sector in

$$\text{City C} = 180 - 80 = 100$$

Number of females working in public sector in

$$\text{City D} = 200 - 60 = 140$$

$$\text{Required percentage} = \frac{140}{100} \times 100 = 140\%$$

Q45. Text Solution:

$$\text{Required ratio} = (50 + 30) : 200 = 80:200 = 2:5$$

Q46 Text Solution:

Height of the right circular cylinder = $2x$ m

Radius of the right circular cylinder = x m

Total surface area of the right circular cylinder =

$$2\pi r(h + r)$$

$$2 \times \frac{22}{7} \times x \times (2x + x) = 924$$

$$\frac{44}{7} \times 3x^2 = 924$$

$$x^2 = 49$$

$$x = 7 \text{ m}$$

$$\text{Volume of the right circular cylinder} = \frac{22}{7} \times 7 \times 7 \times 14 = 2156 \text{ m}^3$$

Q47 Text Solution:

Total temperature on Monday, Tuesday and

$$\text{Wednesday together} = 130 \times 3 = 390^\circ$$

Let the temperature on Wednesday be x°

$$\text{Temperature on Monday} = x^\circ - 50^\circ$$

$$\text{Temperature on Tuesday} = x^\circ - 50^\circ - 50^\circ = x^\circ - 100^\circ$$

$$x^\circ - 50^\circ + x^\circ - 100^\circ + x^\circ = 390$$

$$3x^\circ = 540^\circ$$

$$x^\circ = 180^\circ$$

$$\text{Temperature on Tuesday} = 180^\circ - 100^\circ = 80^\circ$$

$$\text{Required ratio} = 80:180 = 4:9$$

Q48 Text Solution:

Given, $m = 2w$

$$12m \times x \times 7 = 21w \times (x + 24) \times 5$$

$$24w \times x = 3w \times (x + 24) \times 5$$

$$8x = 5x + 120$$

$$x = \frac{120}{3} = 40$$

$$\text{Required time} = \frac{21 \times 5 \times (40 + 24)}{24 \times 10}$$

$$= 28 \text{ days}$$

Q49 Text Solution:

$$24a - 19a = 2500$$

$$a = \frac{2500}{5} = 500$$

$$\text{The income of A} = 19 \times 500 = \text{Rs.9500}$$

$$\text{The income of B} = 24 \times 500 = \text{Rs.12000}$$

Let the savings of B = x

And the expenditure of A = $4x$

And the expenditure of B = $20y$

$$\text{And the savings of A} = 20y \times \frac{3}{20} = 3y$$

$$4x + 3y = 9500 \text{ ---(1)}$$

$$x + 20y = 12000 \text{ ---(2)}$$

From equations (1) and (2),

$$4x + 80y = 48000$$

$$y = \frac{38500}{77} = 500$$

$$\text{The savings of A} = 3 \times 500 = \text{Rs.1500}$$

Q50 Text Solution:

$$\frac{[15x \times 2 + (15x - 2500) \times 1]}{[(8x \times 1 + (8x + 2000) \times 2)]} = \frac{125}{100}$$

$$[30x + 15x - 2500] \times 4 = 5 \times [8x + 16x + 4000]$$

$$180x - 120x = 20000 + 10000$$

$$x = \frac{30000}{60} = 500$$

$$\text{The initial investment of Ram} = 15 \times 500 = \text{Rs.7500}$$

Q51 Text Solution:

Let the speed of the stream be x km/hr.

$$14 + x = 22 - x$$

$$x = \frac{8}{2} = 4$$

$$\text{The upstream speed of boat A} = 14 - 4 = 10 \text{ km/hr}$$

$$\text{The downstream speed of boat B} = 22 + 4 = 26 \text{ km/hr}$$

$$10 \times t = 26 \times (t - 4)$$

$$10t = 26t - 104$$

$$t = \frac{104}{16} = 6.5$$

$$M = 10 \times 6.5 = 65$$

Q52 Text Solution:

Let the amount spends on transportation = x
 $(1500 + x) \times \frac{120}{100} \times \frac{90}{100} = 1890$
 $1500 + x = 1890 \times \frac{100}{120} \times \frac{100}{90}$
 $x = 1750 - 1500 = 250$

Q53 Text Solution:

Present age of Bala = $(19 + 5 + 4) \times \frac{3}{4} - 6 = 28 \times \frac{3}{4} - 6 = 15$ years
 Present age of Ria = $15 + 17 = 32$ years
 $19 + 5 + x = 32 + \frac{x}{2}$
 $x = 8 \times 2 = 16$

Q54 Text Solution:

Let the speed of train A be x m/sec.
 And the length of train A and the length of the platform are (5y) m and (4y) m respectively.
 $5y + 4y = x \times 27$
 $y = x \times \frac{27}{9} = 3x$ ---(1)
 $5y + 80 = x \times 19$ ---(2)
 From equations (1) and (2),
 $5 \times (3x) + 80 = 19x$
 $x = \frac{80}{4} = 20$
 $y = 3 \times 20 = 60$
 The length of train A = $5 \times 60 = 300$ m
 The speed of train B = $36 \times \frac{5}{18} = 10$ m/sec
 Required time = $\frac{300}{20+10} = \frac{300}{30} = 10$ seconds

Q55 Text Solution:

Pipe P alone fill the tank = $14 \times \frac{100}{87.5} = 14 \times \frac{8}{7} = 16$ minutes
 Pipe Q alone fill the tank = $4 \times \frac{3}{1} = 12$ minutes
 Pipe R alone fill the tank = $24 \times 2 = 48$ minutes
 $(\frac{1}{16} + \frac{1}{12}) \times x + (\frac{1}{16} + \frac{1}{48}) \times 5 = 1$
 $(\frac{3}{48} + \frac{4}{48}) \times x + (\frac{3}{48} + \frac{1}{48}) \times 5 = 1$
 $7x + 20 = 48$
 $x = \frac{48-20}{7} = \frac{28}{7} = 4$

Q56 Text Solution:

Ratio of the speed of car A to car B = $(\frac{3x}{y}) : (\frac{2x}{y}) = 3:2$
 $3x - 2x = 15$
 $x = 15$

The new speed of car B = $2 \times 15 + 4 = 30 + 4 = 34$ km/hr
 Required time = $\frac{170}{34} = 5$ hours

Q57 Text Solution:

Let the total number of chocolates A had be 100x.
 Number of chocolates with B = $100x \times \frac{60}{100} \times \frac{80}{100} = 48x$
 Number of chocolates with C = $100x \times \frac{60}{100} \times \frac{20}{100} = 12x$
 Number of chocolates with A = $100x - 48x - 12x = 40x$
 $48x - 40x = 144$
 $8x = 144$
 $x = 18$
 Total number of chocolates A had = $100 \times 18 = 1800$

Q58 Text Solution:

The interest received after 2 years = $20000 \times (1 + \frac{10}{100})^2 - 20000$
 $= 20000 \times (\frac{110}{100})^2 - 20000$
 $= 24200 - 20000$
 $= 4200$
 Required amount = $4200 \times (1 + \frac{10}{100})^2$
 $= 4200 \times (\frac{110}{100})^2 = 5082$

Q59 Text Solution:

Water in 80 liters = $80 \times \frac{20}{100} = 16$ liters
 Milk in 80 liters = $80 - 16 = 64$ liters
 25% of the mixture in 80 liters = $80 \times \frac{25}{100} = 20$ liters
 Ratio of milk to water in the initial mixture = $64:16 = 4:1$
 $\frac{64-20 \times \frac{4}{4+1}}{16-20 \times \frac{1}{4+1} + x} = \frac{12}{5}$
 $(64 - 16) \times 5 = (16 - 4 + x) \times 12$
 $12x = 240 - 144 = 96$
 $x = \frac{96}{12} = 8$



Q60. Text Solution:

School A:

$$\text{Total number of students} = 2500 \times \frac{20}{100} = 500$$

$$\text{Number of boys} = 1200 \times \frac{15}{100} = 180$$

$$\text{Number of girls} = 500 - 180 = 320$$

School B:

$$\text{Total number of students} = 2500 \times \frac{14}{100} = 350$$

$$\text{Number of boys} = 1200 \times \frac{20}{100} = 240$$

$$\text{Number of girls} = 350 - 240 = 110$$

School C:

$$\text{Total number of students} = 2500 \times \frac{30}{100} = 750$$

$$\text{Number of boys} = 1200 \times \frac{25}{100} = 300$$

$$\text{Number of girls} = 750 - 300 = 450$$

School D:

$$\text{Total number of students} = 2500 \times \frac{26}{100} = 650$$

$$\text{Number of boys} = 1200 \times \frac{30}{100} = 360$$

$$\text{Number of girls} = 650 - 360 = 290$$

School E:

$$\text{Total number of students} = 2500 \times \frac{10}{100} = 250$$

$$\text{Number of boys} = 1200 \times \frac{10}{100} = 120$$

$$\text{Number of girls} = 250 - 120 = 130$$

Schools	Total number of students	Number of boys	Number of girls
A	500	180	320
B	350	240	110
C	750	300	450
D	650	360	290
E	250	120	130

$$\text{Number of girls in school F} = 110 \times \frac{21}{11} = 210$$

$$\text{Number of boys in school F} = 120 \times 3 = 360$$

$$\text{Total number of students in school F} = 210 + 360 = 570$$

$$B\% = \frac{570-500}{500} \times 100 = \frac{70}{500} \times 100 = 14\%$$

$$B = 14$$

Q61. Text Solution:

Total number of boys in schools B and D together = $240 + 360 = 600$

$$\text{Required percentage} = \frac{600}{750} \times 100 = 80\%$$

Q62. Text Solution:

Total number of boys in schools A and E together = $120 + 180 = 300$

$$\text{Required ratio} = 450:300 = 3:2$$

Q63. Text Solution:

$$\text{Total number of students in school X} = 650 \times \frac{16}{13} = 800$$

$$\text{Number of girls in school X} = 670 - 290 - 130 = 250$$

$$\text{Number of boys in school X} = 800 - 250 = 550$$

Q64. Text Solution:

Degree distribution of the number of boys in school A = $\frac{180}{1200} \times 360 = 54$

Degree distribution of the total number of students in school C = $\frac{750}{2500} \times 360 = 108$

$$x + 10.4 = 108 + 54$$

$$x = 151.6$$

$$\text{Required answer} = 151.6 + 8.4 = 160$$

Q65 Text Solution:

suppose number = ab

$$x = 10a + b$$

$$y = 10b + a \text{ (by interchanging)}$$

sum of digits of both numbers = 12

so each number digits sum should be 6

and the difference of number = 18

so number will be either 24 or 42

so the multiplication of both the digit of a number = $4 \times 2 = 8$

Q66 Text Solution:

Given number: 76821435

New number: 95713357

Remove repeated digits: 91

Sum of remaining digits: $9 + 1 = 10$

Q67. Text Solution:

There are three people sitting between A and B.

Case : 1 A B

Case : 2 B A

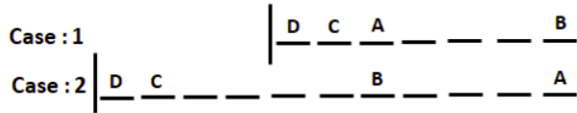
B sits fifth to the right of C.

Case : 1 C A B

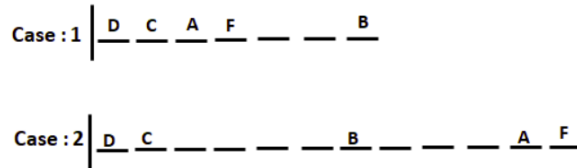
Case : 2 C B A



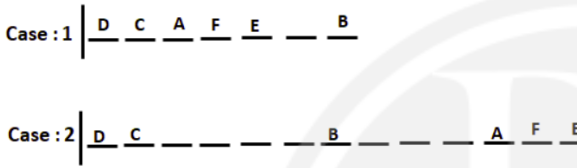
D sits near to C.
D sits at the end of the row.



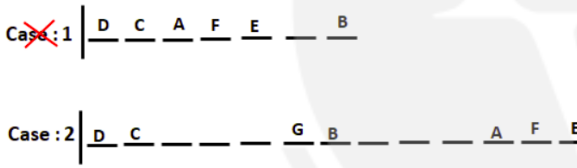
The number of people sitting between A and D is the same number of people sitting between C and F.



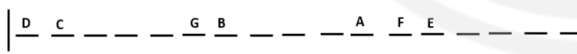
F sits near to E.



The number of people sitting between D and F is twice the number of people sitting left of G.
Case:1 is eliminated.



The number of people sitting to the left of G is the same number of people sitting right of F.



Q70 Text Solution:

"Auto Update State" is coded as "6 5 9" (1)
"State Design Normal " is coded as "6 7 2" (2)
"Normal Reset Task" is coded as "7 1 3" (3)
From statement (1) and (2)
We get
"State" is coded as "6"
From statement (2) and (3)

We get
"Normal" is coded as "7"
So, "Design" is coded as "2" "Auto Update State" is coded as "6 5 9" (1)
"State Design Normal " is coded as "6 7 2" (2)
"Normal Reset Task" is coded as "7 1 3" (3)

From statement (1) and (2)

We get

"State" is coded as "6"

From statement (2) and (3)

We get

"Normal" is coded as "7"

So, "Design" is coded as "2"

Q71 Text Solution:

Conclusion 1: $Q \geq N$ It is false.
In the statement relation between Q and N is $Q \geq R = M < N$, here the opposite symbol between Q and N, so $Q \geq N$ it is false.
Conclusion 2: $R < O$ It is true.
In the statement relation between R and O is $R = M < N = O$, here the common symbol between R and O is $<$, so $R < O$ it is true.

Q72 Text Solution:

Conclusion 1: $I > C$ It is false.
In the statement relation between I and C is $C > A = E \leq B = I$, here the opposite symbol between I and C, so $I > C$ it is false.
Conclusion 2: $E < F$ It is true.
In the statement relation between E and F is $E \leq B = I < D \leq F$, here the common symbol between E and F is $<$, so $E < F$ it is true.

Q73 Text Solution:

Given Statements:
 $S > R > B ; G < B = W \leq V$
• Conclusion 1: $S > G$ It is true.
In the statement relation between S and G is



$S > R > B > G$, here the common symbol between S and G is $>$, so $S > G$ it is true.

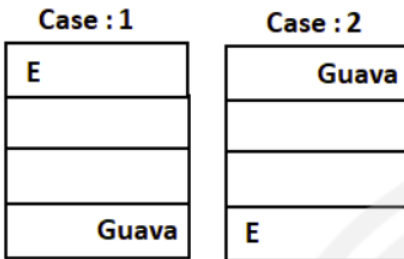
- Conclusion 2: $R \geq V$ It is false.

In the statement relation between R and V is $R > B = W \leq V$, here the opposite symbol between R and V, so $R \geq V$ it is false.

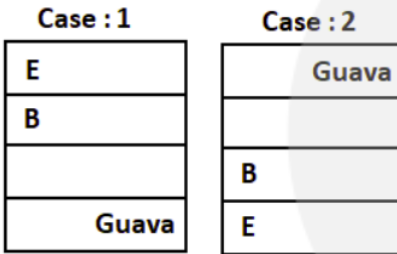
Hence, "Only conclusion I true" is the correct answer.

Q74. Text Solution:

There are two boxes between E and Guava.

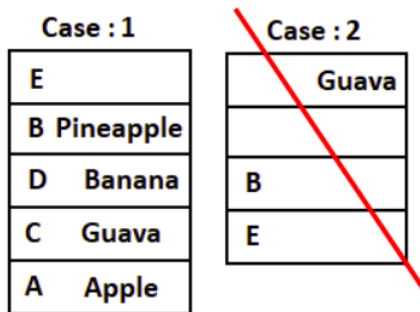


There is one box between B and Guava.

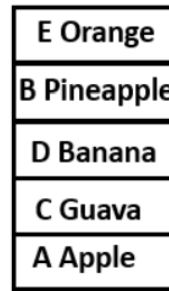


The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D kept above A, but does not kept at the top most position.

Case: 2 is eliminated.

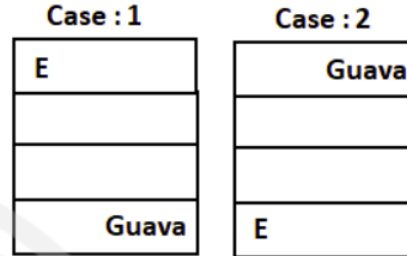


One of the boxes contains Orange fruit.

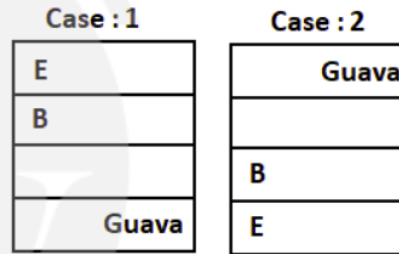


Q75. Text Solution:

There are two boxes between E and Guava.

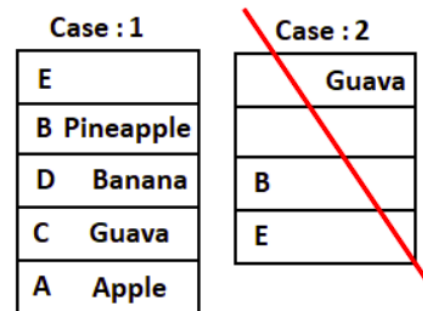


There is one box between B and Guava.



The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D kept above A, but does not kept at the top most position.

Case: 2 is eliminated.



One of the boxes contains Orange fruit.



E Orange
B Pineapple
D Banana
C Guava
A Apple

Q76. Text Solution:

There are two boxes between E and Guava.

Case : 1	Case : 2
E	Guava
Guava	E

There is one box between B and Guava.

Case : 1	Case : 2
E	Guava
B	
	B
Guava	E

The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D kept above A, but does not kept at the top most position.

Case: 2 is eliminated.

Case : 1	Case : 2
E	Guava
B Pineapple	
D Banana	B
C Guava	E
A Apple	

One of the boxes contains Orange fruit.

E Orange
B Pineapple
D Banana
C Guava
A Apple

Q77. Text Solution:

There are two boxes between E and Guava.

Case : 1	Case : 2
E	Guava
Guava	E

There is one box between B and Guava.

Case : 1	Case : 2
E	Guava
B	
	B
Guava	E

The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D kept above A, but does not kept at the top most position.

Case: 2 is eliminated.

Case : 1	Case : 2
E	Guava
B Pineapple	
D Banana	B
C Guava	E
A Apple	

One of the boxes contains Orange fruit.



E Orange
B Pineapple
D Banana
C Guava
A Apple

Q78. Text Solution:

There are two boxes between E and Guava.

Case : 1	Case : 2
E	Guava
Guava	E

There is one box between B and Guava.

Case : 1	Case : 2
E	Guava
B	
	B
Guava	E

The Apple box is kept just below C. Banana Box is kept just above C. The number of boxes above C is the same number of boxes below the Pineapple box. D kept above A, but does not kept at the top most position.

Case: 2 is eliminated.

Case : 1	Case : 2
E	Guava
B Pineapple	
D Banana	B
C Guava	E
A Apple	

One of the boxes contains Orange fruit.

E Orange
B Pineapple
D Banana
C Guava
A Apple

Q79 Text Solution:

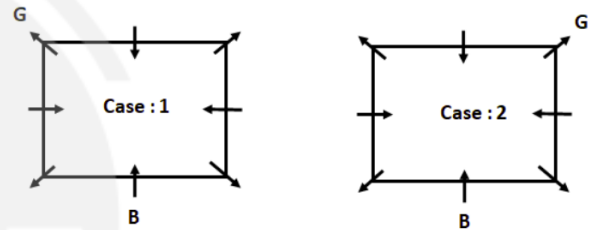
COIN, ICON

More than one word is formed.

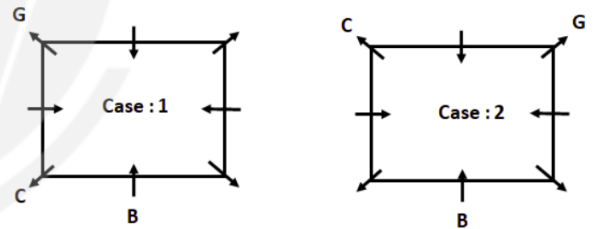
Q80. Text Solution:

Four persons sit between H and B when counted from the left of B

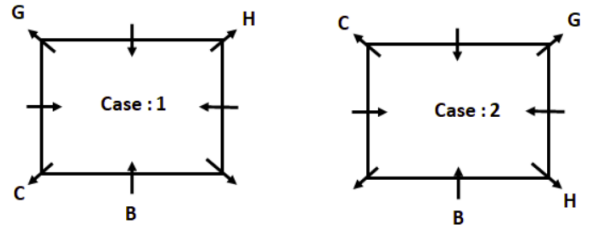
B faces inside the square table. There are two people sitting between B and G.



C sits second to the left of G.



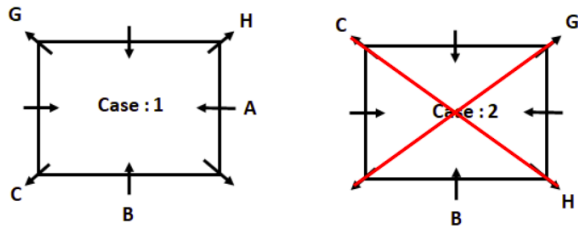
C and H sits opposite to each other.



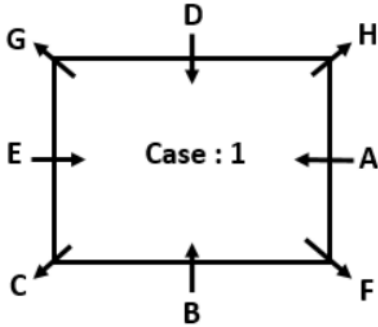
H sits near to A who does not sit near to G.

Case:2 is eliminated.





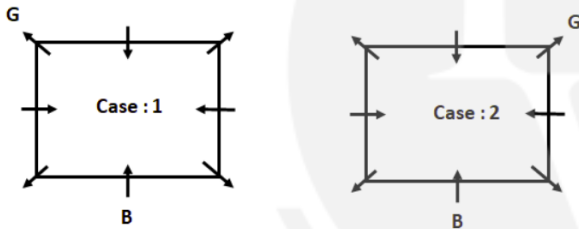
E sits second to the right of D.



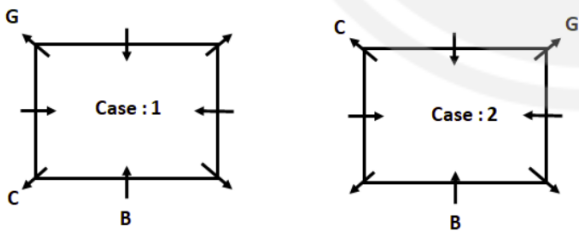
Q81. Text Solution:

"C sits to the immediate right of E" is true.

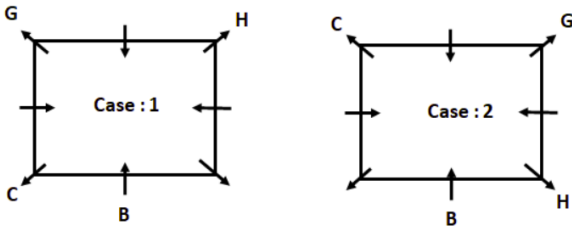
B faces inside the square table. There are two people sitting between B and G.



C sits second to the left of G.

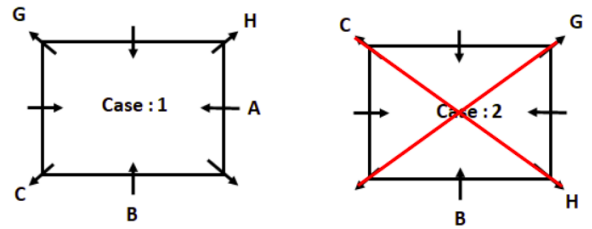


C and H sits opposite to each other.

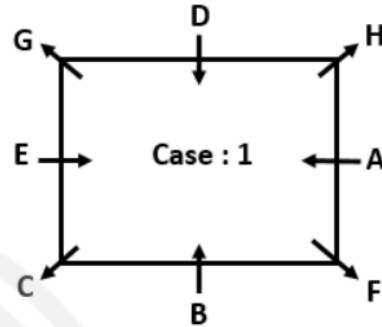


H sits near to A who does not sit near to G.

Case:2 is eliminated.



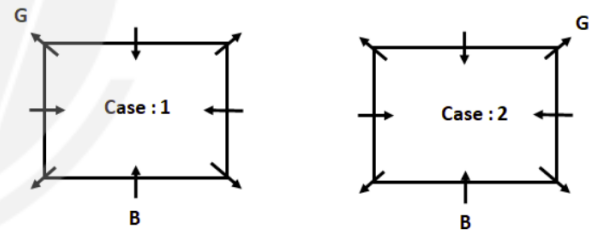
E sits second to the right of D.



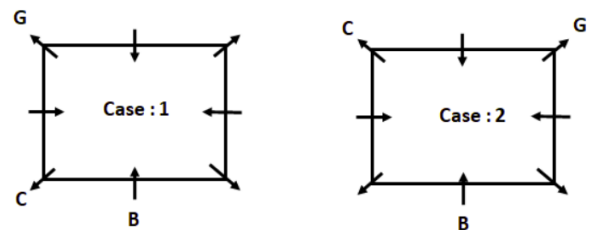
Q82. Text Solution:

One person sits between F and H when counted from the left of F.

B faces inside the square table. There are two people sitting between B and G.

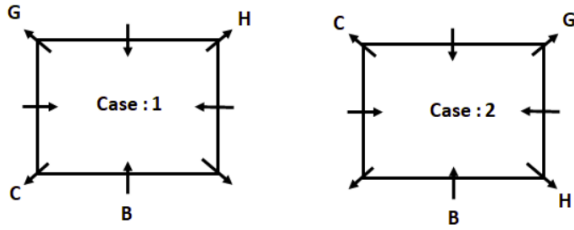


C sits second to the left of G.

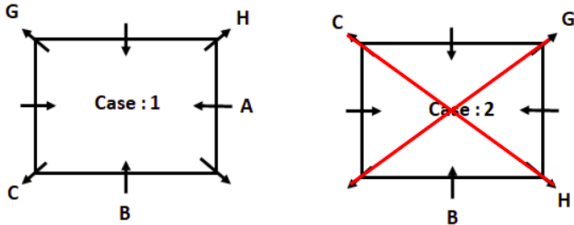


C and H sits opposite to each other.

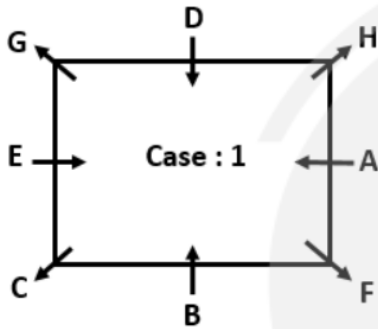




H sits near to A who does not sit near to G.
Case:2 is eliminated.

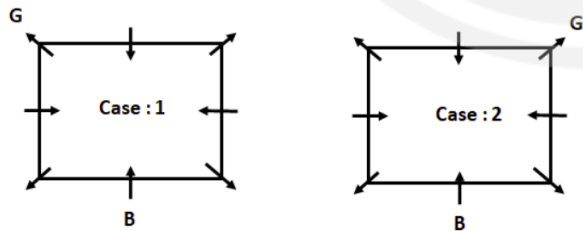


E sits second to the right of D.

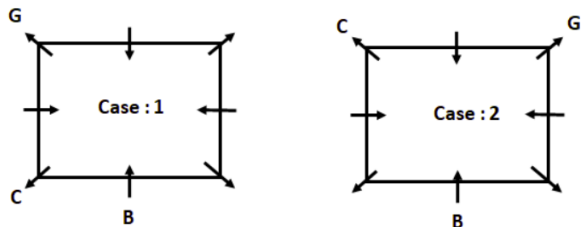


Q83. Text Solution:

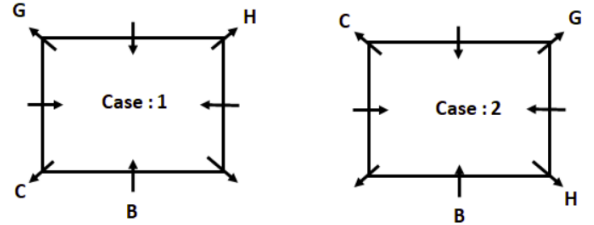
H sits exactly between A and D.
B faces inside the square table. There are two people sitting between B and G.



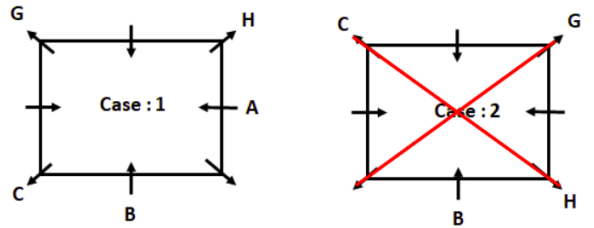
C sits second to the left of G.



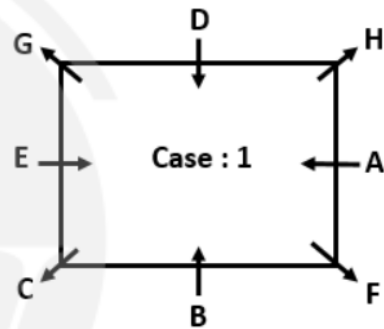
C and H sits opposite to each other.



H sits near to A who does not sit near to G.
Case:2 is eliminated.

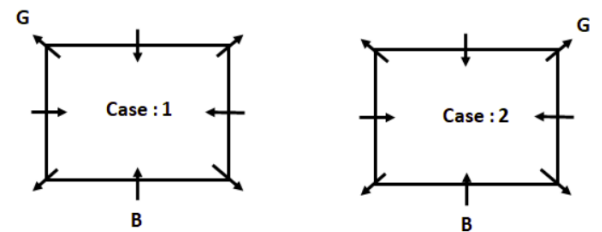


E sits second to the right of D.



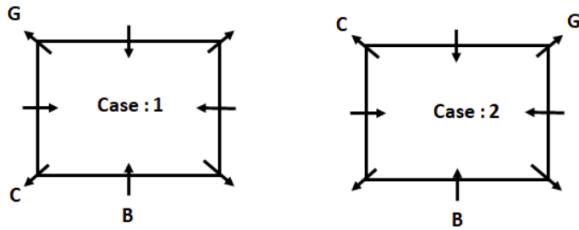
Q84. Text Solution:

Except A, all of them sit at the corners.
B faces inside the square table. There are two people sitting between B and G.

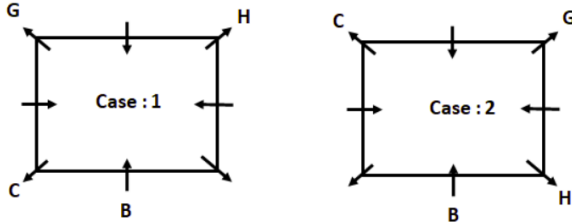


C sits second to the left of G.

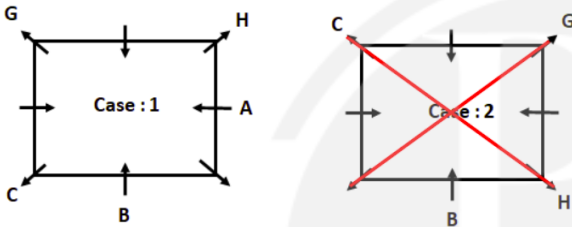




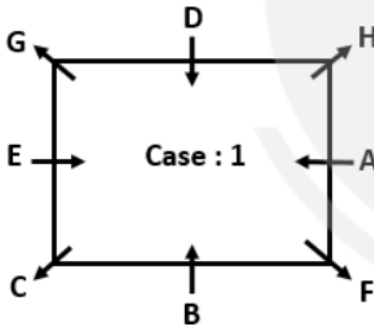
C and H sits opposite to each other.



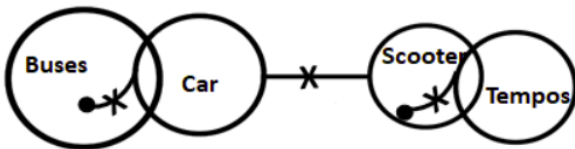
H sits near to A who does not sit near to G.
Case:2 is eliminated.



E sits second to the right of D.



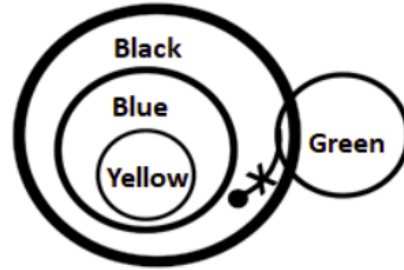
Q85 Text Solution:



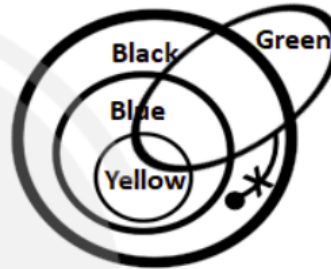
Conclusion 1: It follows because Some part of Buses touches Car and No Car is Scooter is given so those part of Buses touches Car is definitely -ve to Scooter.

Conclusion 2: It does not follows because there is no direct relation between Tempos and Buses.

Q86 Text Solution:

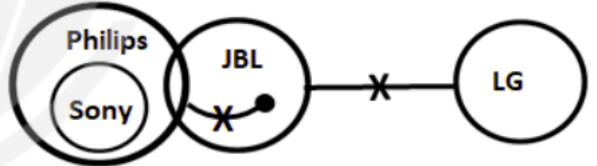


Conclusion 1: It follows there is a possibility between Yellow and Green.



Conclusion 2: It does not follows because there is no direct relation between Blue and Green.

Q87 Text Solution:



Conclusion 1: It follows because Some part of Philips touches JBL and No JBL is LG is given so those part of Philips touches JBL is definitely -ve to LG.

Conclusion 2: It does not follows because there is no direct relation between sony and LG.

Q88. Text Solution:

I choose Texas, but not with G.
Case:1



Cities	Students choose
Barcelona	G
Dehradun	
Texas	I

Case:2

Cities	Students choose
Barcelona	
Dehradun	G
Texas	I

Only A and C choose the same city.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

Case:2

Cities	Students choose
Barcelona	A,C
Dehradun	G
Texas	I

G chose Barcelona for further studies.

Case:2 is eliminated.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

D and B choose the same city.

D and G choose the same city for further studies.

Case:1

Cities	Students choose
Barcelona	G,D,B
Dehradun	A,C
Texas	I

H and I did not choose the same city.

Case:1

Cities	Students choose
Barcelona	G,D,B,H
Dehradun	A,C
Texas	I

E and D did not choose the same city.

Finally, we get,



Cities	Students choose
Barcelona	G, D, B, H
Dehradun	A, C
Texas	I, E, F

Q89. Text Solution:

I choose Texas, but not with G.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	
Texas	I

Case:2

Cities	Students choose
Barcelona	
Dehradun	G
Texas	I

Only A and C choose the same city.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A, C
Texas	I

Case:2

Cities	Students choose
Barcelona	A, C
Dehradun	G
Texas	I

G chose Barcelona for further studies.

Case:2 is eliminated.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A, C
Texas	I

D and B choose the same city.

D and G choose the same city for further studies.

Case:1

Cities	Students choose
Barcelona	G, D, B
Dehradun	A, C
Texas	I

H and I did not choose the same city.

Case:1



Cities	Students choose
Barcelona	G,D,B,H
Dehradun	A,C
Texas	I

E and D did not choose the same city.
Finally, we get,

Cities	Students choose
Barcelona	G, D, B, H
Dehradun	A, C
Texas	I, E, F

Q90. Text Solution:

I choose Texas, but not with G.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	
Texas	I

Case:2

Cities	Students choose
Barcelona	
Dehradun	G
Texas	I

Only A and C choose the same city.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

Case:2

Cities	Students choose
Barcelona	A,C
Dehradun	G
Texas	I

G chose Barcelona for further studies.

Case:2 is eliminated.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

D and B choose the same city.

D and G choose the same city for further studies.

Case:1



Cities	Students choose
Barcelona	G,D,B
Dehradun	A,C
Texas	I

H and I did not choose the same city.

Case:1

Cities	Students choose
Barcelona	G,D,B,H
Dehradun	A,C
Texas	I

E and D did not choose the same city.

Finally, we get,

Cities	Students choose
Barcelona	G, D, B, H
Dehradun	A, C
Texas	I, E, F

Q91. Text Solution:

I choose Texas, but not with G.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	
Texas	I

Case:2

Cities	Students choose
Barcelona	
Dehradun	G
Texas	I

Only A and C choose the same city.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

Case:2

Cities	Students choose
Barcelona	A,C
Dehradun	G
Texas	I

G chose Barcelona for further studies.

Case:2 is eliminated.



Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

D and B choose the same city.

D and G choose the same city for further studies.

Case:1

Cities	Students choose
Barcelona	G,D,B
Dehradun	A,C
Texas	I

H and I did not choose the same city.

Case:1

Cities	Students choose
Barcelona	G,D,B,H
Dehradun	A,C
Texas	I

E and D did not choose the same city.

Finally, we get,

Cities	Students choose
Barcelona	G, D, B, H
Dehradun	A, C
Texas	I, E, F

Q92. Text Solution:

I choose Texas, but not with G.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	
Texas	I

Case:2

Cities	Students choose
Barcelona	
Dehradun	G
Texas	I

Only A and C choose the same city.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I



Case:2

Cities	Students choose
Barcelona	A,C
Dehradun	G
Texas	I

G chose Barcelona for further studies.

Case:2 is eliminated.

Case:1

Cities	Students choose
Barcelona	G
Dehradun	A,C
Texas	I

D and B choose the same city.

D and G choose the same city for further studies.

Case:1

Cities	Students choose
Barcelona	G,D,B
Dehradun	A,C
Texas	I

H and I did not choose the same city.

Case:1

Cities	Students choose
Barcelona	G,D,B,H
Dehradun	A,C
Texas	I

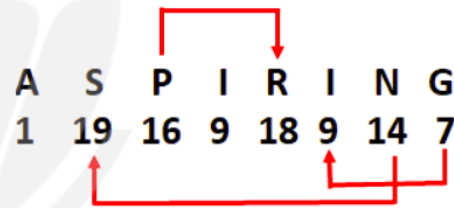
E and D did not choose the same city.

Finally, we get,

Cities	Students choose
Barcelona	G, D, B, H
Dehradun	A, C
Texas	I, E, F

Q93 Text Solution:

There are three pairs :- PR, NS and GI.



Q94. Text Solution:

C belongs to Goa.

F graduates on an odd-numbered date in the month having an odd number of days.

Only two people graduate between the one who belongs to Surat and F.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		
July 31		Surat	July 31	F	
September 30			September 30		Surat

C and B graduate on the same date but none of them graduate in September.



Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F	C/B	May 31		C/B
July 31		B/C Surat	July 31	F	B/C
September 30			September 30		Surat

The one who belongs to Delhi graduates immediately before B but not in July.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B	May 31	Delhi	B
July 31		C Surat	July 31	F	C
September 30			September 30		Surat

The number of people graduate after E is the same number of people before the one who belongs to Bangalore.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	Delhi	B Bangalore
July 31		C Surat	July 31	F	C
September 30	E		September 30	E	Surat

E does not graduate in May.
Only one person graduates between the one who belongs to Mumbai and Hyderabad.
A graduate immediately after the one who belongs to Hyderabad.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	D Delhi	B Bangalore
July 31	D Mumbai	C Surat	July 31	F Mumbai	C
September 30	E Hyderabad	A	September 30	E Hyderabad	A Surat

Neither E nor D belongs to Mumbai. One of them belongs to Goa.
Case:1 is eliminated.

	7th	24th
May 31	D Delhi	B Bangalore
July 31	F Mumbai	C Goa
September 30	E Hyderabad	A Surat

Q95. Text Solution:

C Graduates on 24th July.
F graduates on an odd-numbered date in the month having an odd number of days.
Only two people graduate between the one who belongs to Surat and F.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		
July 31		Surat	July 31	F	
September 30			September 30		Surat

C and B graduate on the same date but none of them graduate in September.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F	C/B	May 31		C/B
July 31		B/C Surat	July 31	F	B/C
September 30			September 30		Surat

The one who belongs to Delhi graduates immediately before B but not in July.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B	May 31	Delhi	B
July 31		C Surat	July 31	F	C
September 30			September 30		Surat

The number of people graduate after E is the same number of people before the one who belongs to Bangalore.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	Delhi	B Bangalore
July 31		C Surat	July 31	F	C
September 30	E		September 30	E	Surat

E does not graduate in May.
Only one person graduates between the one who belongs to Mumbai and Hyderabad.
A graduate immediately after the one who belongs to Hyderabad.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	D Delhi	B Bangalore
July 31	D Mumbai	C Surat	July 31	F Mumbai	C
September 30	E Hyderabad	A	September 30	E Hyderabad	A Surat

Neither E nor D belongs to Mumbai. One of them belongs to Goa.
Case:1 is eliminated.

	7th	24th
May 31	D Delhi	B Bangalore
July 31	F Mumbai	C Goa
September 30	E Hyderabad	A Surat

Q96. Text Solution:

The person belonging to Surat graduated in September.
F graduates on an odd-numbered date in the month having an odd number of days.
Only two people graduate between the one who belongs to Surat and F.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		
July 31		Surat	July 31	F	
September 30			September 30		Surat

C and B graduate on the same date but none of them graduate in September.



Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F	C/B	May 31		C/B
July 31		B/C Surat	July 31	F	B/C
September 30			September 30		Surat

The one who belongs to Delhi graduates immediately before B but not in July.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B	May 31	Delhi	B
July 31		C Surat	July 31	F	C
September 30			September 30		Surat

The number of people graduate after E is the same number of people before the one who belongs to Bangalore.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	Delhi	B Bangalore
July 31		C Surat	July 31	F	C
September 30	E		September 30	E	Surat

E does not graduate in May.
Only one person graduates between the one who belongs to Mumbai and Hyderabad.
A graduate immediately after the one who belongs to Hyderabad.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	D Delhi	B Bangalore
July 31	D Mumbai	C Surat	July 31	F Mumbai	C
September 30	E Hyderabad	A	September 30	E Hyderabad	A Surat

Neither E nor D belongs to Mumbai. One of them belongs to Goa.
Case:1 is eliminated.

	7th	24th
May 31	D Delhi	B Bangalore
July 31	F Mumbai	C Goa
September 30	E Hyderabad	A Surat

Q97. Text Solution:

D belongs to Delhi.
F graduates on an odd-numbered date in the month having an odd number of days.
Only two people graduate between the one who belongs to Surat and F.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		
July 31		Surat	July 31	F	
September 30			September 30		Surat

C and B graduate on the same date but none of them graduate in September.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F	C/B	May 31		C/B
July 31		B/C Surat	July 31	F	B/C
September 30			September 30		Surat

The one who belongs to Delhi graduates immediately before B but not in July.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B	May 31	Delhi	B
July 31		C Surat	July 31	F	C
September 30			September 30		Surat

The number of people graduate after E is the same number of people before the one who belongs to Bangalore.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	Delhi	B Bangalore
July 31		C Surat	July 31	F	C
September 30	E		September 30	E	Surat

E does not graduate in May.
Only one person graduates between the one who belongs to Mumbai and Hyderabad.
A graduate immediately after the one who belongs to Hyderabad.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	D Delhi	B Bangalore
July 31	D Mumbai	C Surat	July 31	F Mumbai	C
September 30	E Hyderabad	A	September 30	E Hyderabad	A Surat

Neither E nor D belongs to Mumbai. One of them belongs to Goa.
Case:1 is eliminated.

	7th	24th
May 31	D Delhi	B Bangalore
July 31	F Mumbai	C Goa
September 30	E Hyderabad	A Surat

Q98. Text Solution:

No one graduated between C and the one belonging to Hyderabad.
F graduates on an odd-numbered date in the month having an odd number of days.
Only two people graduate between the one who belongs to Surat and F.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		
July 31		Surat	July 31	F	
September 30			September 30		Surat

C and B graduate on the same date but none of them graduate in September.



Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F		May 31		C/B
July 31		B/C Surat	July 31	F	B/C
September 30			September 30		Surat

The one who belongs to Delhi graduates immediately before B but not in July.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B	May 31	Delhi	B
July 31		C Surat	July 31	F	C
September 30			September 30		Surat

The number of people graduate after E is the same number of people before the one who belongs to Bangalore.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	Delhi	B Bangalore
July 31		C Surat	July 31	F	C
September 30	E		September 30	E	Surat

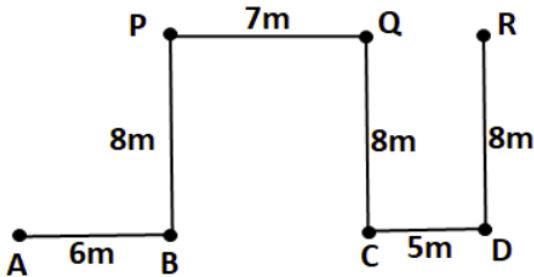
E does not graduate in May.
 Only one person graduates between the one who belongs to Mumbai and Hyderabad.
 A graduate immediately after the one who belongs to Hyderabad.

Case : 1			Case : 2		
	7th	24th		7th	24th
May 31	F Delhi	B Bangalore	May 31	D Delhi	B Bangalore
July 31	D Mumbai	C Surat	July 31	F Mumbai	C
September 30	E Hyderabad	A	September 30	E Hyderabad	A Surat

Neither E nor D belongs to Mumbai. One of them belongs to Goa.
 Case:1 is eliminated.

	7th	24th
May 31	D Delhi	B Bangalore
July 31	F Mumbai	C Goa
September 30	E Hyderabad	A Surat

Q99. Text Solution:



Point D is South-West of Point P.

Q100. Text Solution:

In the triangle NPR

$$PN^2 = PR^2 + RN^2$$

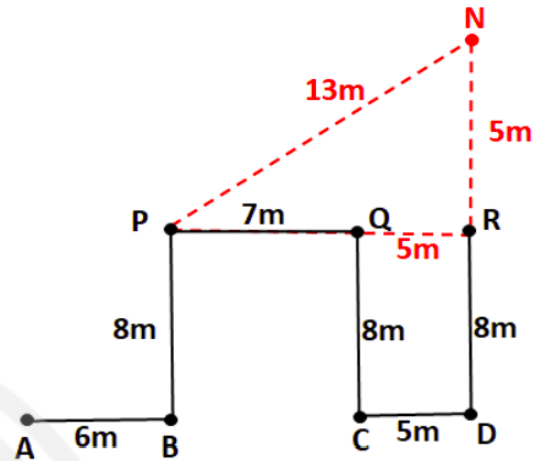
$$PN^2 = 12^2 + 5^2$$

$$PN^2 = 144 + 25$$

$$PN^2 = 169$$

$$PN = \sqrt{169}$$

$$PN = 13m$$





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