

IBPS PO Pre 2022 (15th October) Shift-Wise Previous Year Papers Mock 02

Directions (1-9) : Read the passage carefully and answer the given questions based upon that.

India's inflation, which is measured by the Consumer Price Index (CPI), has stayed above the Reserve Bank of India (RBI)'s upper tolerance limit of 6% for three months running. The central bank's monetary policy committee decided to hold benchmark interest rates earlier this month, choosing to remain accommodative "while focusing on withdrawal of accommodation to ensure that inflation remains within the target going forward, while supporting growth". The sole _____ of the RBI is to look into price stability.

Having said that, the context is important. Inflation is mounting. There is geopolitical uncertainty. The war in Ukraine led to supply-chain disruptions. Consignments are getting delayed. So, there has been a significant rise in crude oil price. Thus, **maneuvering** with repo rate adjustments to contain inflation may not work. The reverse repo rate itself is likely getting redundant, because the RBI has introduced a new tool — the standing deposit facility rate (SDF) as the floor in the Liquidity Adjustment Facility (LAF) at 3.75% — to absorb excess liquidity. That's a smart move, to work with the monetary policy corridor but leaving the rates untouched.

There are areas where it feels like the RBI was behind the curve on inflation control. One, in the February policy, the RBI said it expected FY23 CPI inflation to be 4.5%. That didn't seem **credible**. It has revised the estimate to 5.7%. Two, for long the RBI insisted that the 10-year government bond yield was a public good that had to be kept low. In FY21, both the central and State governments had a record borrowing program. The FY21 weighted average government borrowing rate was a record low of just 5.8%. So, the returns for savers were brought down dramatically.

Our household inflation expectations are at 11%. Average deposit rates across all banks are at just 5%. The resultant asset price inflation is also increasing inequality — the top 15% are doing very well and consuming luxury products, even as the bottom 40% are **struggling**. But to be fair to the RBI, it's not been an easy time. And to give credit, the RBI stopped its government bond purchases in October. Likewise, our money market rates have already gone up quite a bit. We have very high fiscal deficit and high debt numbers. But from a position of strength, the finance minister articulated that her high fiscal deficit can be validated through enhancing investment — through 'crowding in' private corporate investment. The real GDP for FY22 is pretty much the same as it was two years ago before the pandemic. Effectively, two years have gone by with zero real growth. In the last two years, inflation has been 6% compounded annual; high inflation and zero growth are a disaster. The RBI's growth estimate of 7.2% for the current fiscal is also at risk.

Q1. What is/are RBI's move(s) to rein in inflation?

- (a) RBI chose to keep its benchmark policy rate unchanged.
- (b) It retained its accommodative stance to withhold inflation and to provide an environment conducive to growth.
- (c) RBI asked the government to buy dollars, partly to prevent the dollars from flooding the market and thus depressing the value of dollar
- (d) Only (a) and (b)
- (e) All of these

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Q2. Why is RBI's discretion of retaining the repo rate not enough to curtail the inflation?

- (a) The pandemic bombarded the country with many challenges such as a substantial period of economical shutdown.
- (b) The recent hardening of crude price, owing to the geopolitical crisis, has heightened the uncertainty surrounding the inflation outlook.
- (c) The sterilization in repo rate will impact the housing activity because most loanees rely on floating rates and will face increased equated installments
- (d) Inflation is a function of rising expectations and going by that, there is some amount of inflationary steam left in the economy, that repo rate is unable to target.
- (e) None of these

Q3. How does the RBI manage to work with monetary policy corridor without tempering its policy rates?

- (a) RBI started to target the segment of population where financial inclusion is still not being penetrated enough.
- (b) RBI's effort to put bar on unregulated moneylender thus making these indirect weapons of money control fall under the ambit of RBI's regulation
- (c) By introducing SDF at 3.75%, RBI approaches towards liquidity management and normalization of LAF corridor
- (d) Only (b) and (c)
- (e) None of these

Q4. Why is the RBI perceived to be behind the curve on inflation control?

- (a) As RBI revised upwards its CPI inflation forecast to 5.7 per cent for the FY23, as compared to the fallacious 4.5 per cent projected earlier.
- (b) Claiming inflation nothing but transitory, RBI was being widely criticized for not unwinding its monetary stimulus.
- (c) The sudden deficit in borrowing rate of 10 years government bond which was preached to be a public good that had to be kept low.
- (d) Only (a) and (b)
- (e) Only (a) and (c)

Q5. What was finance minister's remark on high fiscal deficit?

- (a) The Minister has presented a high fiscal deficit substantiating that it is for strengthening investment, which in turn can "crowd-in" private investment.
- (b) She justified fiscal deficit as a growth enhancing tool in the times of pandemic, provided it adheres to numeric threshold of deficit.
- (c) She stated the quality of fiscal consolidation suffers if the fiscal deficit is just an expenditure compression rather than increased tax buoyancy
- (d) The finance minister stated that the outlay for capital expenditure in overall fiscal deficit calculation is being stepped up sharply by 35.4%.
- (e) None of these

Q6. Which of the following is/are NOT TRUE as per the given passage?

- (a) While the household inflation is expected to rise at 11%, the average deposit rate across all banks stands at 5%.
- (b) With high inflation rate and slow growth, the possibility of attaining 7.2% growth rate in this fiscal is in a doubtful state.
- (c) India stands out as a high wealth disparity country with top 15% holding maximum wealth and bottom 40% are struggling.
- (d) Only option (a) and (c)
- (e) None of these

Q7. Which of the following can fit into the given blank provided in the passage?

- (a) truce
- (b) bequeath
- (c) mandate
- (d) arbitrate
- (e) None of these

Q8. Which of the following words can be termed as the synonym of “maneuvering” highlighted in the passage?

- (a) investing
- (b) manipulating
- (c) constraining
- (d) leveraging
- (e) None of these

Q9. Which of the following words can be termed as the opposite of “credible” highlighted in the passage?

- (a) deceptive
- (b) righteous
- (c) veracious
- (d) authentic
- (e) frank

Directions (10-12) : In the following question, sentences are given with a part in bold. The given phrase in the bold may or may not contain an error. The options following can replace the incorrect phrase. The correct phrase that is to be replaced will be your answer. If the sentences are correct then select ‘No improvement required’ as your answer.

Q10. India **has been won its independence** after a long, remarkably peaceful struggle for freedom.

- (a) had win its independence
- (b) has won its independent
- (c) has win its independence
- (d) had won its independence
- (e) No correction required

Q11. It is essential to neither overstress **nor underestimate the significant** of the G20's work.

- (a) or underestimate the significance
- (b) nor underestimates the significance
- (c) nor underestimate the significant
- (d) nor underestimate the significance
- (e) No correction required

Q12. It appears that nothing **much may change into** the functioning of the company.

- (a) much may change in
- (b) much may changes in
- (c) much may changing in
- (d) many may changes in
- (e) No correction required

Directions (13-15) : Each question is divided into four parts, in which one part may have an error. Choose the incorrect part as your answer. If all parts are correct, choose "No Error" as your answer choice.

Q13. Private schools in Delhi (A) / have been advised to close (B) /the entire school or a wing concerned (C) /of the school if a COVID-19 case is reported (D) / No Error (E) .

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No Error

Q14. It has a long journey of many thousands (A) / of years until we became members of what is called (B) /the modern civilization, with its common (C) /features and aspirations across the globe (D) /No Error (E) .

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No Error

Q15. Sri Lanka, reeling under unrest (A) /over the severe economic crisis, did (B) / the inevitable by approaching the International (C) /Monetary Fund to a bailout Programme(D) /No Error(E).

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No Error

Directions (16-19) : In each of the question, a statement has been given with a word omitted. Following the statement, five words have been given and one of them will fit in the blank. Choose the most appropriate word to make the statement contextually correct and grammatically meaningful.

Q16. There is _____ because what they are earning is more than what they are paying.

- (a) cobble
- (b) giant
- (c) pervasive
- (d) deficit
- (e) surplus

Q17. People know that possibilities are _____ for a talented child.

- (a) threshold
- (b) enormous
- (c) restricted
- (d) diversity
- (e) nimble

Q18. He is getting the attention he _____ from the public and the media.

- (a) expect
- (b) deserves
- (c) request
- (d) tender
- (e) ejects

Q19. Foodborne Pathogen Survey Network is the beginning of a _____ public health initiative.

- (a) unique
- (b) luminous
- (c) sloping
- (d) antique
- (e) tinted

Q20. In each of the following questions, four sentences have been given containing errors. Find out which of the following sentences, if any, is error-free. If all the given sentences have errors, then choose "All are incorrect".

- (a) The Union Budget has provided data at direct subsidies and transfer payments.
- (b) The pandemic took a toll on the lives and livelihoods of migrant workers.
- (c) This female artist's versatility were never under doubt.
- (d) There was a sense of disquiet among the children when I told him a horror story.
- (e) All are incorrect.

Q21. In each of the following questions, four sentences have been given containing errors. Find out which of the following sentences, if any, is error-free. If all the given sentences have errors, then choose "All are incorrect".

- (a) Attempts to use the rupee for invoicing and trading is not new to India.
- (b) This latest crisis come at a time when China-U.S. relations are already on edge.
- (c) Russia has stopped ground assaults but it continues to bomb Ukrainian cities at willingly.
- (d) In the pre-Independence-era, newspapers were published as a national or public service.
- (e) All are incorrect

Q22. In each of the following questions, four sentences have been given containing errors. Find out which of the following sentences, if any, is error-free. If all the given sentences have errors, then choose "All are incorrect".

- (a) A special economic zone will offers Indian companies the opportunity to set up a range of industries
- (b) The monsoon would dampen coal production, pressuring generators to importing more coal.
- (c) The swearing-in of Droupadi Murmu as the 15th President of India is a truly momentous event.
- (d) Indigenous organizations has urged the government to probe the schools and expedite measures for reconciliation.
- (e) All are incorrect

Directions (23-27) : In the following questions six sentences are given. You have to rearrange these sentences to make a contextually meaningful paragraph. The sentence (F) , which has already been highlighted, would be the LAST sentence after rearrangement. Later, answer the follow-up questions.

- (A) However, occupational safety and health (OSH) has not received due attention from law-makers and even trade unions in India.
- (B) The report was mainly concerning occupational safety and health in the auto sector.
- (C) But unfortunately only major accidents are reported.
- (D) It is a fact that industrial accidents are hazardous events that occur often.
- (E) Recently, the CRUSHED Report 2021 released by Safe in India (SII) portrays a dismal picture about the same.
- (F) OSH is an existential human and labour right.**

Q23. Which of the following will be the correct order of sentences after rearrangement?

- (a) DEBACF
- (b) CDEBAF
- (c) ABCEDF
- (d) BACEDF
- (e) DCEBAF

Q24. Which of the following will be the THIRD sentence after rearrangement?

- (a) A
- (b) E
- (c) C
- (d) D
- (e) B

Q25. Which of the following will be the FIRST sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q26. Which of the following will be the FIFTH sentence after rearrangement?

- (a) A
- (b) B
- (c) E
- (d) D
- (e) C

Q27. Which of the following will be the FOURTH sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Directions (28-30) : In the questions given below few sentences are given in two columns which are grammatically correct and meaningful. Connect them to make the statements in the best possible way without changing the intended meaning of the statement. Choose the best possible combination as your answer accordingly from the options to form a correct, coherent sentence.

Q28. Column(I)

- (A) The Vice-President is also the chairman of the
- (B) Such areas are designated as the important
- (C) The health status of tribal people has certainly

Column (II)

- (D) improved during the last 25 years
- (E) Rajya Sabha, a critical role anytime.
- (F) evidence and construct a national picture

- (a) C-F and B-E
- (b) A-F
- (c) B-F and C-D
- (d) A-E and C-D
- (e) None of these

Q29. Column(I)

- (A) Kerala also occupies a leading position
- (B) The poor get taxed a higher proportion
- (C) The increasing reliance of the

Column (II)

- (D) with their personal and family needs.
 - (E) inflation through targeted interventions.
 - (F) of their income compared to the rich.
- (a) C-F and B-E
 - (b) A-F
 - (c) B-F
 - (d) A-E and C-D
 - (e) None of these

Q30. Column(I)

- (A) A majority of those who asked
- (B) There has been a history of conflict
- (C) The State Assembly bowed to these

Column (II)

- (D) have remained by and large safe.
 - (E) in massive ruin and destruction.
 - (F) rendered their homes uninhabitable.
- (a) C-F and B-E
 - (b) A-F
 - (c) B-F and C-D
 - (d) A-E and C-D
 - (e) None of these

Directions (31-35) : Read the following table carefully and answer the following question. Following table shows total number of T.V. sold by five shop (A, B, C, D and E) which sells two brand TV i.e., MI and LG and ratio of number of MI TV sold to number of LG TV sold in by each five shops.

Shops	Total number of TV (MI and LG)	Ratio of MI TV : LG TV
A	400	2:3
B	550	6:5
C	700	3:4
D	600	8:7
E	250	11:14

Q31. Find the ratio between total number of MI TV sold by shop A and D together to number of MI TV sold by shop C?

- (a) 8 :7
- (b) 8 :5
- (c) 11 :5
- (d) 8 :11
- (e) 15 :4

Q32. Find the average number of LG TV sold by all the five shops?

- (a) 262
- (b) 142
- (c) 225
- (d) 200
- (e) 112

Q33. Find the difference between total number of LG TV sold by shop D and E together to total number of LG TV sold by shop B and A together?

- (a) 45
- (b) 50
- (c) 55
- (d) 70
- (e) 80

Q34. Number of MI TV sold by shop E is what percentage of number of LG TV sold by shop C?

- (a) 27.5%
- (b) 20.5%
- (c) 32.5%
- (d) 45.5%
- (e) 40.5%

Q35. If 40% defective from brand MI and 60% from LG are sold defective TV by shop B then find the non-defective (both MI & LG) TV sold by shop B?

- (a) 180
- (b) 280
- (c) 260
- (d) 160
- (e) 220

Directions (36-40) : What approximate value should come in the place of question (?) mark:

Q36. $15.98\% \text{ of } 25.05\% \text{ of } 599 + (6.97 \times 21.98) = ? \times 4.04$

- (a) 45
- (b) 37
- (c) 40
- (d) 52
- (e) 56

Q37. $115.987 - 20.01\% \text{ of } 239 = (?^2 + 103.98) \div 9.99$

- (a) 26
- (b) 29
- (c) 18
- (d) 24
- (e) 32

Q38. $145.09\% \text{ of } 200.01 + \frac{620.92}{27.01} + \sqrt{?} - 3.99 = (18.07)^2$

- (a) 984
- (b) 324
- (c) 576
- (d) 225
- (e) 676

Q39. $25.08\% \text{ of } 979.92 + \sqrt{899.99} - 24.93\% \text{ of } 215.9 = ?$

- (a) 217
- (b) 213
- (c) 228
- (d) 236
- (e) 221

Q40. $249.97 \div 25.02 + 108.08 \div 35.98 - 6.01 = ?$

- (a) 2
- (b) 5
- (c) 10
- (d) 7
- (e) 4

Directions (41-45) : In each of these questions, two equation (I) and (II) are given. You have to solve both the equations and give answer

Q41.

I. $x^2 + 10x - 75 = 0$

II. $y^2 + 13y + 22 = 0$

- (a) If $x > y$
- (b) If $x \geq y$
- (c) If $x < y$
- (d) If $x \leq y$
- (e) If $x = y$ or no relation can be established between x and y .

Q42.

I $2x^2 - 3x - 14 = 0$

II. $y^2 + 16y + 55 = 0$

- (a) If $x > y$
- (b) If $x \geq y$
- (c) If $x < y$
- (d) If $x \leq y$
- (e) If $x = y$ or no relation can be established between x and y .

Q43.

I $2x^2 = 338$

II. $y = \sqrt{169}$

- (a) If $x > y$
- (b) If $x \geq y$
- (c) If $x < y$
- (d) If $x \leq y$
- (e) If $x = y$ or no relation can be established between x and y .

Q44.

I $3x^2 - 5x - 28 = 0$

II. $y^2 - 10y + 25 = 0$

- (a) If $x > y$
- (b) If $x \geq y$
- (c) If $x < y$
- (d) If $x \leq y$
- (e) If $x = y$ or no relation can be established between x and y .

Q45.

I $x^2 + 7x - 98 = 0$

II. $y^2 - y - 42 = 0$

-
- (a) If $x > y$
(b) If $x \geq y$
(c) If $x < y$
(d) If $x \leq y$
(e) If $x = y$ or no relation can be established between x and y .

Directions (46-50) : Read the following information carefully and answer the questions given below.

There are 2 different companies i.e., Y and Z. Number of male employees working in company Y is 250 and number of male employees working in company Z is equal to number of female employees working in Y. Total number of male employees in both company is 400 and number of female employees working in company Z is double to that of female employees in company Y.

Q46. Find the total number of female employees working in both companies?

- (a) 410
(b) 445
(c) 460
(d) 450
(e) 475

Q47. Find the difference between number of male working in company Y to that of company Z?

- (a) 145
(b) 120
(c) 87
(d) 98
(e) 100

Q48. Number of female employees working in company Z is what percentage of male working in same company?

- (a) 225%
(b) 175%
(c) 150%
(d) 200%
(e) 250%

Q49. Find the average number of male working in company Y and number of female working in company Z?

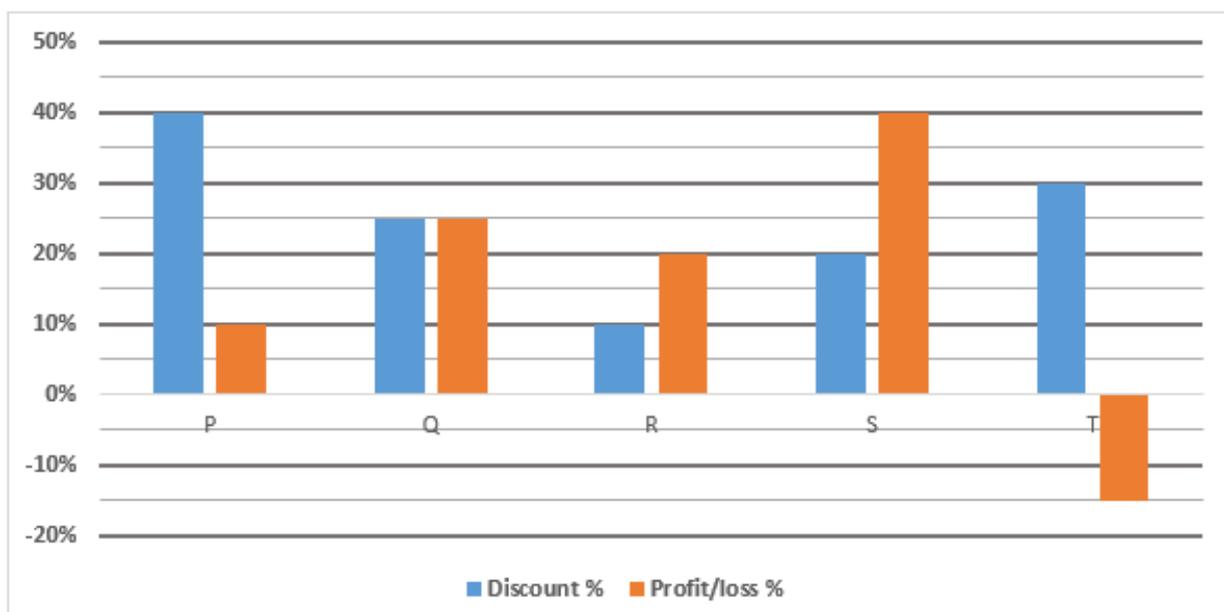
- (a) 275
(b) 225
(c) 145
(d) 190
(e) 280

Q50. Find the total number of employees (male +female) in both the company?

- (a) 810
- (b) 850
- (c) 620
- (d) 910
- (e) 1020

Directions (51-55) : Study the bar graph carefully and answer the following questions. The bar graph given below shows the discount percentage given and profit/loss percentage earned by shopkeeper on 5 different articles (P, Q, R, S and T) .

Note: negative sign shows the loss percentage.



Q51. Find the cost price of the article S, if marked price of the article is Rs.350?

- (a) Rs.240
- (b) Rs.200
- (c) Rs.180
- (d) Rs.120
- (e) Rs.150

Q52. If the cost price of article P is 20% more than cost price of article Q, then find the marked price of article P is what percentage of marked price of article Q?

- (a) 132%
- (b) 84%
- (c) 120%
- (d) 116%
- (e) 140%

Q53. If the selling price of article T is Rs.238, then find the difference between marked price and cost price of article T?

- (a) Rs.90
- (b) Rs.40
- (c) Rs.50
- (d) Rs.60
- (e) Rs.70

Q54. On article R, if there is an additional discount of 10% is offered, the profit earned by him would be Rs.42, find the cost price of article R?

- (a) Rs.490
- (b) Rs.540
- (c) Rs.650
- (d) Rs.575
- (e) Rs.525

Q55. If marked price of article P and S is same, then selling price of article P is what percentage more or less than selling price of article S?

- (a) 10%
- (b) 25%
- (c) 20%
- (d) $33\frac{1}{3}\%$
- (e) 30%

Q56. Vessel contains 40 liters wine. If x liters of wine is replaced with water, this process is repeated two more times and then quantity of wine in the vessel is 20.48 liters, find the value of x?

- (a) 12 liters
- (b) 7 liters
- (c) 5 liters
- (d) 8 liters
- (e) 15 liters

Q57. Perimeter of square is 48 cm and length of a rectangle is equal to side of square and breadth of rectangle is 4 cm less than length of the rectangle. Find the area of rectangle.

- (a) 58 cm^2
- (b) 96 cm^2
- (c) 105 cm^2
- (d) 88 cm^2
- (e) 72 cm^2

Q58. The average age of A, B & C is 48 years. Ratio of present ages of A to C is 3:5 and present age of B is 33.33% more than that of A. find the difference between age of A after 5 years to age of B two years ago.

- (a) 5 years
- (b) 2 years
- (c) 7 years
- (d) 15 years
- (e) 19 years

Q59. P, Q & R started a business with investment of Rs.28000, Rs.16000 & Rs.20000 respectively. After the 6 months P added 25% more of his initial investment and Q withdrew Rs.6000. At the end of the year profit earned by R is Rs.3120, then find the difference between profit share of P and of Q.

- (a) Rs.1486
- (b) Rs.2676
- (c) Rs.2006
- (d) Rs.2886
- (e) Rs.2216

Q60. Speed of boat in still water is 60% more than speed of current and total time takes by boat to cover certain distance going downstream and upstream is 32 hours. Find the time taken by boat to cover same distance in still water.

- (a) $8\frac{7}{8}$ hours
- (b) $9\frac{5}{8}$ hours
- (c) $9\frac{1}{4}$ hours
- (d) $7\frac{1}{2}$ hours
- (e) $9\frac{3}{4}$ hours

Q61. Three pipe P1, P2 and P3 fill the tank in 15 hours, 10 hours and 20 hours respectively. If all the three pipes opened together and pipe P2 & P1 are closed after three hours, then pipe P3 fill the remaining tank. Find the total time to fill whole tank.

- (a) 12 hours
- (b) 6 hours
- (c) 14 hours
- (d) 10 hours
- (e) 17 hours

Q62. Joshi invest Rs.4000 at the rate of R% simple interest for four years and he got Rs.1600 as interest. If he invests same amount for 2 years in C.I. and rate of interest increased by 4%. Find the interest received by Joshi after 2 years.

- (a) Rs.2098.4
- (b) Rs.1458.4
- (c) Rs.1294.4
- (d) Rs.1094.4
- (e) Rs.1198.4

Q63. If the ratio of marked price and selling price of an article is 13:10. Shopkeeper earned 25% profit. If the difference between marked price and cost price of an article is Rs.450. find the selling price of an article.

- (a) Rs.940
- (b) Rs.670
- (c) Rs.1040
- (d) Rs.900
- (e) Rs.820

Q64. Train crosses a bridge which is 250 m long in 25 sec. Find the time taken by train to cross a man running in opposite direction at speed of 15m/sec. Find the speed of train.

- (a) Can't be determined
- (b) 14 m/sec
- (c) 24 m/sec
- (d) 18 m/sec
- (e) 20 m/sec

Q65. Average age of 4 daughters of a family is 8 years and average age of daughters along with their parents is 16 years. If mother is 4 years younger than father. Find the age of father 2 year ago.

- (a) 38 years
- (b) 32 years
- (c) 25 years
- (d) 42 years
- (e) 55 years

Directions (66-70) : Study the information and answer the following questions:

Fourteen persons are sitting in two parallel rows facing each other. A, B, C, D, E, F and G are sitting in row 1 facing south and P, Q, R, S, T, U and V are sitting in row 2 facing north (not necessarily in the same order).

G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. E and A are immediate neighbors of each other. B sits third to the left of A. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. R sits to the right of the one who faces C. T does not face D.

Q66. Who among the following is an immediate neighbor of the one who faces Q?

- (a) E
- (b) G
- (c) C
- (d) Either E or G
- (e) None of these

Q67. What is the position of G with respect to C?

- (a) Fourth to the left
- (b) Second to the right
- (c) Immediate left
- (d) Immediate right
- (e) None of these

Q68. Who faces the one who sits to the immediate left of A?

- (a) P
- (b) S
- (c) T
- (d) U
- (e) None of these

Q69. Who faces the immediate neighbor of the one who faces R?

- (a) F
- (b) P
- (c) U
- (d) T
- (e) None of these

Q70. Four of the following five are alike in a certain way and hence form a group. Who among the following does not belong to that group?

- (a) R
- (b) B
- (c) C
- (d) Q
- (e) S

Directions (71-73) : In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

Q71.

Statements:

$$C > B \geq H \leq X; H > Z = Y$$

Conclusions:

I. $X > Y$

II. $B > Z$

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either conclusion I or II is true.
- (d) If neither conclusion I nor II is true.
- (e) If both conclusions I and II are true.

Q72.

Statements:

$$P < Q \leq R \leq S = T < U$$

Conclusions:

I. $T < Q$

II. $T = Q$

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either conclusion I or II is true.
- (d) If neither conclusion I nor II is true.
- (e) If both conclusions I and II are true.

Q73.

Statements:

$$A \geq B \geq D = F; D > G \geq I$$

Conclusions:

I. $F > I$

II. $A \geq G$

- (a) If only conclusion I is true.
- (b) If only conclusion II is true.
- (c) If either conclusion I or II is true.
- (d) If neither conclusion I nor II is true.
- (e) If both conclusions I and II are true.

Directions (74-78) : Study the information and answer the following questions:

Eight boxes are placed one above the other in a stack. Each box is of different colors. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. Two boxes are placed between Box J which is Black in color and Box P. Orange colored box is placed immediately below red colored box but not at the bottommost position. Four boxes are placed between Box S and Box M. Box O is of blue color. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. Box N is not purple color.

Q74. How many boxes are placed between Box K and White colored box?

- (a) None
- (b) One
- (c) Three
- (d) Five
- (e) None of these

Q75. Which among the following box is placed at the bottom most position?

- (a) Box N
- (b) Box M
- (c) Box R
- (d) Box S
- (e) None of these

Q76. Which among the following boxes is placed immediately above White colored box?

- (a) Box J
- (b) Box N
- (c) Box K
- (d) Box O
- (e) None of these

Q77. Which among the following box is placed immediately below Box P?

- (a) Box S
- (b) Box O
- (c) Box N
- (d) Purple colored box
- (e) Green colored box

Q78. Which among the following box is Red in color?

- (a) Box R
- (b) Box M
- (c) Box N
- (d) Box S
- (e) None of these

Directions (79-80) : Study the following information carefully and answer the given question.

Point B is 15m north of point A. Point C is 10m west of point B. Point D is 5m south of point C. Point E is 5m east of point D.

Q79. If Point F is 10m west of Point A, then Point D is how far and in which direction from point F?

- (a) 10m, south
- (b) 5m, north
- (c) 15m, south
- (d) 10m, north
- (e) 5m, south

Q80. Point C is in which direction from Point E?

- (a) south-east
- (b) north-west
- (c) south
- (d) north-east
- (e) south-west

Directions (81-84) : Study the information given and answer the questions below:

Eight persons A, B, C, D, E, F, G and H live on different floors (but not necessarily in the same order) of a four-floor building where ground floor is numbered as 1 and the topmost floor is numbered as 4. Each floor has two flats i.e., flat 1 and flat 2. Flat 1 is in the west of Flat 2. Flat 1 of floor 2 is just above the flat 1 of floor 1 and just below the flat 1 of floor 3. Similarly, flat 2 of floor 2 is just above the flat 2 of floor 1 and just below the flat 2 of floor 3.

Two floors gap between B and G. Both B and G lives in odd numbered flat. One floor gap between G and A. G and A live in the same flat. H lives in flat 2 but not on the floor of A and B. D lives just below the floor of H but in different flats. C lives on an even numbered floor but above the floor of F.

Q81. Who among the following lives to the east of D?

- (a) E
- (b) G
- (c) C
- (d) F
- (e) None of these

Q82. Who among the following lives on 4th floor?

- (a) H
- (b) G
- (c) E
- (d) C
- (e) Both H and G

Q83. What is the direction of A with respect to F?

- (a) North
- (b) West
- (c) North-west
- (d) North-east
- (e) None of these

Q84. Four among the following five are alike in a certain way and related to a group, who among the following does not belong to the group?

- (a) F
- (b) B
- (c) E
- (d) G
- (e) D

Directions (85-88) : In each of the questions below some statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q85. Statements:

- 99% rain is water.
- All water are air.
- Only a few air is element.

Conclusion:

I. Some air is not element

II. All rain can be air

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q86. Statements:

- No play is game.
- No search is ground.
- Some game is search.

Conclusion:

I. Some play is ground

II. No play is ground

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q87. Statements:

Some report is launch.

All launch is year.

No year is leave.

Conclusion:

I. No launch is leave

II. Some report is not leave is a possibility.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Q88. Statements:

Only dell is step.

Some dell is level.

All level is device.

Conclusion:

I. All step can be level

II. Some device is not dell

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Directions (89-92) : Study the following information and answer the questions given below:

Eight persons L, M, N, O, P, Q, R and S work on different designations in a company i.e., MD, COO, CEO, CFO, CTO, CMO, Manager and HR. The order of seniority is same as given i.e., MD is the senior-most designation and HR is the junior-most designation.

Three persons are there between S and L. L works below CMO. N is junior to MD but senior to S. More than three persons work between N and P. Same number of persons are junior to P and senior to M respectively. R is senior to CMO but junior to Q.

Q89. O works on which among the following designation?

(a) CFO

(b) CMO

(c) MD

(d) CTO

(e) None of these

Q90. How many persons are junior to R?

- (a) Four
- (b) Three
- (c) Five
- (d) Six
- (e) None of these

Q91. Who among the following is CEO of the company?

- (a) R
- (b) Q
- (c) M
- (d) S
- (e) None of these

Q92. Five combinations are given here, find which of the given combination is incorrect?

- (a) COO-N
- (b) CTO-R
- (c) Manager-L
- (d) CFO-Q
- (e) HR-M

Directions (93-96) : Study the given alphanumeric symbol series carefully and answer the following questions:

N 3 P 2 J @ 0 4 S G 6 & 5 7 Z H \$ I 1 Q 8 % P

Q93. Which among the following element is 17th from the right end of the row?

- (a) @
- (b) 4
- (c) 0
- (d) J
- (e) None of these

Q94. How many symbols are there in the above series which are immediately followed by an alphabet?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) None of these

Q95. How many numbers are there in the given series which are immediately followed by a symbol and immediately preceded by an alphabet?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

Q96. Which among the following element is 6th to the left of 21st element from left end?

- (a) 5
- (b) 7
- (c) Z
- (d) J
- (e) None of these

Q97. In the given number '8467252371', if all the odd digits are arranged first in ascending order from left then all the even digits are arranged after that in ascending order. Find how many digits are remained same on their position after the arrangement?

- (a) Two
- (b) Three
- (c) None
- (d) One
- (e) None of these

Directions (98-100) : Study the following information carefully to answer the given questions.

In a certain code language,

“Public mystery brain reach” is coded as “hjo mkt uyv edc”

“Goal takes Public” is coded as “iop mkt sdn”

“Brain takes goal” is coded as “iop sdn edc”

“Takes reach creates power” is coded as “sdn wet uyv tfx”

Q98. What is the code of 'mystery'?

- (a) mkt
- (b) hjo
- (c) uyv
- (d) edc
- (e) iop

Q99. What is the code of 'creates'?

- (a) sdn
- (b) wet
- (c) uyv
- (d) tfx
- (e) Can't be determined

Q100. What may be the code of 'takes life'?

- (a) iop bhl
- (b) sdn njy
- (c) wet bhl
- (d) edc uyv
- (e) mkt uyv



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Solutions

S1. Ans.(d)

Sol. To validate the answer, refer to the first passage, where it mentions “The central bank’s monetary policy committee decided to hold benchmark interest rates earlier this month, choosing to remain accommodative “while focusing on withdrawal of accommodation to ensure that inflation remains within the target going forward, while supporting growth.””

S2. Ans.(b)

Sol. By referring to the second paragraph, we can conclude that only option (b) is true. For better understanding refer to the section “There is geopolitical uncertainty. The war in Ukraine led to supply-chain disruptions. Consignments are getting delayed. So, there has been a significant rise in crude oil price. Thus, maneuvering with repo rate adjustments to contain inflation may not work.”

S3. Ans.(c)

Sol. To validate that, refer to the second paragraph of the passage, where it mentions “The reverse repo rate itself is likely getting redundant, because the RBI has introduced a new tool — the standing deposit facility rate (SDF) as the floor in the Liquidity Adjustment Facility (LAF) at 3.75% — to absorb excess liquidity. That’s a smart move, to work with the monetary policy corridor but leaving the rates untouched.”

S4. Ans.(e)

Sol. By referring the third paragraph, we can conclude that option (a) and (c) are true. Thus, for validate, refer, “There are areas where it feels like the RBI was behind the curve on inflation control. One, in the February policy, the RBI said it expected FY23 CPI inflation to be 4.5%. That didn’t seem credible. It has revised the estimate to 5.7%. Two, for long the RBI insisted that the 10-year government bond yield was a public good that had to be kept low. In FY21, both the central and State governments had a record borrowing program. The FY21 weighted average government borrowing rate was a record low of just 5.8%,”

through enhancing investment — through ‘crowding in’ private corporate investment”

S5. Ans.(a)

Sol. By referring the last paragraph of the passage, we can conclude that option (a) is correct. Thus, for further clarification, refer “We have very high fiscal deficit and high debt numbers. But from a position of strength, the finance minister articulated that her high fiscal deficit can be validated

S6. Ans.(e)

Sol. By going through the passage thoroughly we can conclude that all the given options are true.

For options (a) and (c) : Refer to the first few lines of the last paragraph, ““Our household inflation expectations are at 11%. Average deposit rates across all banks are at just 5%. The resultant asset price inflation is also increasing inequality — the top 15% are doing very well and consuming luxury products, even as the bottom 40% are struggling”

For option (b) : Refer to the last few lines of the last paragraph “In the last two years, inflation has been 6% compounded annual; high inflation and zero growth are a disaster. The RBI’s growth estimate of 7.2% for the current fiscal is also at risk.”

S7. Ans.(c)

Sol. The word best fit into the given blank is “mandate”.

Truce: an agreement between enemies or opponents to stop fighting or arguing for a certain time.

Bequeath: leave (property) to a person or other beneficiary by a will.

Mandate: an official order or commission to do something.

Arbitrate: reach an authoritative judgement or settlement.

S8. Ans.(b)

Sol. “maneuvering” means “skillful action or management” thus, the word synonym of it is “manipulating”.

Investing: put (money) into financial schemes, shares, property, or a commercial venture with the expectation of achieving a profit.

Manipulating: handle or control (a tool, mechanism, information, etc.) in a skillful manner.

Constraining: severely restrict the scope, extent, or activity of.

Leveraging: use borrowed capital for (an investment) , expecting the profits made to be greater than the interest payable

S9. Ans.(a)

Sol. Credible means the quality of being believed or accepted as true, real, or honest. Thus, the word termed as opposite of it is “deceptive”

Deceptive: the action of deceiving or cheating someone.

righteous: morally right or justifiable.

Veracity: conformity to facts; accuracy.

Authentic: of undisputed origin and not a copy; genuine.

frank: open, honest, and direct in speech or writing, especially when dealing with unpalatable matters.

S10. Ans.(d)

Sol. The given highlighted phrase is incorrect because the sentence should be in past perfect tense. Therefore, the correct replacement will be “had won its independence”.

S11. Ans.(d)

Sol. The given highlighted phrase is incorrect because we need noun ‘significance’ here after ‘the’ therefore option (c) is also incorrect. We use ‘neither’ as a conjunction with ‘nor’ hence option (a) is incorrect. Option (b) is incorrect, because neither/nor are conjunctions that connect two parts of a sentence to each other. They must be used in parallel structures; i.e., both sides must be balanced.

S12. Ans.(a)

Sol. The given highlighted phrase is incorrect because preposition ‘into’ is incorrect here and it should be ‘in’ because ‘in’ indicates the position of something while the preposition ‘into’ indicates an action or movement. Modal verb ‘may’ always takes base form of the verb with it so use of ‘change’ is correct. ‘Nothing much’ is correct here as it means ‘not a great amount; nothing of importance.’

S13. Ans.(e)

Sol. The sentence is correct as it is and does not need any change.

S14. Ans.(a)

Sol. In part A, “has” must be replaced with “has been” as the sentence requires a present perfect tense. Note: The Present Perfect is connected to the present and may refer to a completed action. However, we are not interested in the time of the action, rather in the results of that action as they affect us now. That is why the tense is called the *Present Perfect*. Ex-As I **have broken** my leg, I can't go dancing.

S15. Ans.(d)

Sol. In part D, “to” preposition must be replaced with “for”. “To” is used to indicate the place, person, or thing that someone or something moves toward, or the direction of something, to indicate a limit or an ending point, to indicate relationship. Whereas “For” is used to indicate the use of something, to mean because of, to indicate time or duration.

S16. Ans.(e)

Sol. The correct word for the given blank is ‘surplus’

- (a) cobble means a small round stone used to cover road surfaces.
- (b) giant means an abnormally or extremely tall or large person, animal, or plant.
- (c) pervasive means spreading widely throughout an area or a group of people.
- (d) deficit means the amount by which something, especially a sum of money, is too small.
- (e) surplus means an excess of income or assets over expenditure or liabilities in a given period, typically a financial year.

S17. Ans.(b)

Sol. The correct word for the given blank is ‘enormous’

- (a) threshold means a point of entry or beginning.
- (b) enormous means very large in size, quantity, or extent.
- (c) restricted means limited in extent, number, scope, or action.
- (d) diversity means the state of being diverse; variety.
- (e) nimble means quick and light in movement or action; agile.

S18. Ans.(b)

Sol. The correct word for the given blank is ‘deserves’

- (a) expect means regard (something) as likely to happen.
- (b) deserves means do something or have or show qualities worthy of
- (c) request means an act of asking politely or formally for something.
- (d) tender means showing gentleness, kindness, and affection.
- (e) ejects means force or throw (something) out in a violent or sudden way.

S19. Ans.(a)

Sol. The correct word for the given blank is 'unique'

(a) unique means being the only one of its kind; unlike anything else.

(b) luminous means giving off light; bright or shining.

(c) sloping means inclined from a horizontal or vertical line.

(d) antique means a collectable object such as a piece of furniture or work of art that has a high value because of its age and quality.

(e) tinted means slightly coloured; tinged.

S20. Ans.(b)

Sol. The error-free sentence is option (b) . In option (a) , preposition 'at' should be replaced with 'on'. In option (c) , 'were' should be replaced with 'was' for noun 'versatility'. In option (d) , pronoun 'him' should be replaced with 'them' for plural noun 'children'.

S21. Ans.(d)

Sol. The error-free sentence is option (d) . In option (a) , 'is' should be replaced with 'are' for plural noun attempts. In option (b) , 'come' should be in singular form for singular noun 'crisis' (plural form is crises) . In option (c) , 'willingly' which is an adverb should be replaced with 'will' which is a noun after preposition 'at'.

S22. Ans.(c)

Sol. The error-free sentence is option (c) . In option (a) , verb 'offers' should be in base form because modal verbs "will, shall, can, could, would, might" takes v1 with them. In option (b) , "importing' because 'to' is followed by v1. In option (d) , "has' should be 'have' for plural noun 'organizations'.

S23. Ans.(e)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph which is about industrial accidents. The next sentence is (C) as it mentions those accidents which are reported. Further, sentence (C) will be followed by sentence (E) as it further describes the CRUSHED Report 2021 which portrays a dismal picture. Now, sentence (E) will be followed by sentence (B) as it further describes the report. Further, sentence (B) will be followed by sentence (A) which states occupational safety and health that hasn't received much attention. And it is given that sentence (F) will be the last sentence Therefore, the correct rearrangement of the given sentences would be "DCEBAF".

S24. Ans.(b)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph which is about industrial accidents. The next sentence is (C) as it mentions those accidents which are reported. Further, sentence (C) will be followed by sentence (E) as it further describes the CRUSHED Report 2021 which portrays a dismal picture. Now, sentence (E) will be followed by sentence (B) as it further describes the report. Further, sentence (B) will be followed by sentence (A) which states occupational safety and health that hasn't received much attention. And it is given that sentence (F) will be the last sentence Therefore, the correct rearrangement of the given sentences would be "DCEBAF".

S25. Ans.(d)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph which is about industrial accidents. The next sentence is (C) as it mentions those accidents which are reported. Further, sentence (C) will be followed by sentence (E) as it further describes the CRUSHED Report 2021 which portrays a dismal picture. Now, sentence (E) will be followed by sentence (B) as it further describes the report. Further, sentence (B) will be followed by sentence (A) which states occupational safety and health that hasn't received much attention. And it is given that sentence (F) will be the last sentence Therefore, the correct rearrangement of the given sentences would be "DCEBAF".

S26. Ans.(a)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph which is about industrial accidents. The next sentence is (C) as it mentions those accidents which are reported. Further, sentence (C) will be followed by sentence (E) as it further describes the CRUSHED Report 2021 which portrays a dismal picture. Now, sentence (E) will be followed by sentence (B) as it further describes the report. Further, sentence (B) will be followed by sentence (A) which states occupational safety and health that hasn't received much attention. And it is given that sentence (F) will be the last sentence Therefore, the correct rearrangement of the given sentences would be "DCEBAF".

S27. Ans.(b)

Sol. Sentence (D) will be the introductory sentence as it best presents the theme of the given paragraph which is about industrial accidents. The next sentence is (C) as it mentions those accidents which are reported. Further, sentence (C) will be followed by sentence (E) as it further describes the CRUSHED Report 2021 which portrays a dismal picture. Now, sentence (E) will be followed by sentence (B) as it further describes the report. Further, sentence (B) will be followed by sentence (A) which states occupational safety and health that hasn't received much attention. And it is given that sentence (F) will be the last sentence Therefore, the correct rearrangement of the given sentences would be "DCEBAF".

S28. Ans.(d)

Sol. The correct pairs of phrases to make meaningful sentences are (A) -(E) and (C) -(D) . Therefore, the sentences will be, "The Vice-President is also the chairman of the Rajya Sabha, a critical role anytime"
"The health status of tribal people has certainly improved during the last 25 years"

S29. Ans.(c)

Sol. The correct pair of phrases to make meaningful sentence is (B) -(F) . Therefore, the sentence will be, "The poor get taxed a higher proportion of their income compared to the rich."

S30. Ans.(e)

Sol. No combination of the given phrases will form a meaningful sentence.

S31. Ans.(b)

Sol.

$$\text{Required ratio} = 400 \times \frac{2}{5} + 600 \times \frac{8}{15} : 700 \times \frac{3}{7} = 480 : 300 = 8 : 5$$

S32. Ans.(a)

Sol.

$$\begin{aligned} \text{Total no. LG TV} &= 400 \times \frac{3}{5} + 550 \times \frac{5}{11} + 700 \times \frac{4}{7} + 600 \times \frac{7}{15} + 250 \times \frac{14}{25} \\ &= 240 + 250 + 400 + 280 + 140 = 1310 \end{aligned}$$

$$\text{Required average} = \frac{1310}{5} = 262$$

S33. Ans.(d)

Sol.

$$\begin{aligned} \text{Required difference} &= \left(550 \times \frac{5}{11} + 400 \times \frac{3}{5} \right) - \left(600 \times \frac{7}{15} + 250 \times \frac{14}{25} \right) \\ &= (250 + 240) - (280 + 140) = 490 - 420 = 70 \end{aligned}$$

S34. Ans.(a)

Sol.

$$\text{Required percentage} = \frac{250 \times \frac{11}{25}}{700 \times \frac{4}{7}} \times 100 = \frac{110}{400} \times 100 = 27.5\%$$

S35. Ans.(b)

Sol.

$$\text{Non defective MI TV} = 550 \times \frac{6}{11} \times \frac{60}{100} = 180$$

$$\text{Non defective LG TV} = 550 \times \frac{5}{11} \times \frac{40}{100} = 100$$

$$\text{Required sum} = 180 + 100 = 280$$

S36. Ans.(a)

Sol.

$$16\% \text{ of } 25\% \text{ of } 600 + (7 \times 22) = ? \times 4$$

$$\frac{16}{100} \times \frac{25}{100} \times 600 + 154 = ? \times 4$$

$$24 + 154 = ? \times 4$$

$$? = 44.5 \approx 45$$

S37. Ans.(d)

Sol.

$$116 - 20\% \text{ of } 240 = (?^2 + 104) \div 10$$

$$116 - 48 = (?^2 + 104) \div 10$$

$$680 = ?^2 + 104$$

$$? = \sqrt{576}$$

$$? = 24$$

S38. Ans.(d)

Sol.

$$\frac{145}{100} \times 200 + \frac{621}{27} - 4 + \sqrt{?} = 324$$
$$290 + 23 - 4 + \sqrt{?} = 324$$
$$? = 225$$

S39. Ans.(e)

Sol.

$$\frac{980}{4} + 30 - \frac{25}{100} \times 216 = ?$$
$$? = 245 + 30 - 54$$
$$? = 221$$

S40. Ans.(d)

Sol.

$$\frac{250}{25} + \frac{108}{36} - 6 = ?$$
$$? = 10 + 3 - 6$$
$$? = 7$$

S41. Ans.(e)

Sol.

$$\text{I. } x^2 + 10x - 75 = 0$$
$$x^2 + 15x - 5x - 75 = 0$$
$$x(x + 15) - 5(x + 15) = 0$$
$$(x - 5)(x + 15) = 0$$
$$x = 5, -15$$
$$\text{II. } y^2 + 13y + 22 = 0$$
$$y^2 + 11y + 2y + 22 = 0$$
$$y(y + 11) + 2(y + 11) = 0$$
$$(y + 2)(y + 11) = 0$$
$$y = -2, -11$$

So, no relation can be established between x and y.

S42. Ans.(a)

Sol.

$$\text{I } 2x^2 - 3x - 14 = 0$$
$$2x^2 - 7x + 4x - 14 = 0$$
$$x(2x - 7) + 2(2x - 7) = 0$$
$$(x + 2)(2x - 7) = 0$$
$$x = -2, \frac{7}{2}$$



$$\begin{aligned} \text{II. } y^2 + 16y + 55 &= 0 \\ y^2 + 11y + 5y + 55 &= 0 \\ y(y + 11) + 5(y + 11) &= 0 \\ (y + 5)(y + 11) &= 0 \\ y &= -5, -11 \\ \text{So, } x > y \end{aligned}$$

S43. Ans.(d)

Sol.

$$\begin{aligned} \text{I } 2x^2 &= 338 \\ x^2 &= 169 \\ x &= -13, 13 \\ \text{II. } y &= \sqrt{169} \\ y &= 13 \\ \text{So, } x &\leq y \end{aligned}$$

S44. Ans.(c)

Sol.

$$\begin{aligned} \text{I } 3x^2 - 5x - 28 &= 0 \\ 3x^2 - 12x + 7x - 28 &= 0 \\ 3x(x - 4) + 7(x - 4) &= 0 \\ (3x + 7)(x - 4) &= 0 \\ x &= -\frac{7}{3}, 4 \\ \text{II. } y^2 - 10y + 25 &= 0 \\ y^2 - 5y - 5y + 25 &= 0 \\ y(y - 5) - 5(y - 5) &= 0 \\ (y - 5)(y - 5) &= 0 \\ y &= 5, 5 \\ \text{So, } x &< y \end{aligned}$$



S45. Ans.(e)

Sol.

$$\begin{aligned} \text{I } x^2 + 7x - 98 &= 0 \\ x^2 + 14x - 7x - 98 &= 0 \\ x(x + 14) - 7(x + 14) &= 0 \\ (x + 14)(x - 7) &= 0 \\ x &= -14, 7 \\ \text{II. } y^2 - y - 42 &= 0 \\ y^2 - 7y + 6y - 42 &= 0 \\ y(y - 7) + 6(y - 7) &= 0 \\ (y + 6)(y - 7) &= 0 \\ y &= -6, 7 \\ \text{So, no relation can be established between } x \text{ and } y. \end{aligned}$$

S46. Ans.(d)

Sol.

Number of male employees working in company Y = 250

Total number of male employees in both company = 400

Number of male employees working in company Z = $400 - 250 = 150$

Number of female employees working in Y = 150

Number of female employees working in company Z = $2 \times 150 = 300$

Total number of female employees working in both company = $150 + 300 = 450$

S47. Ans.(e)

Sol.

Number of male employees working in company Y = 250

Total number of male employees in both company = 400

Number of male employees working in company Z = $400 - 250 = 150$

Number of female employees working in Y = 150

Number of female employees working in company Z = $2 \times 150 = 300$

Required difference = $250 - 150 = 100$

S48. Ans.(d)

Sol.

Number of male employees working in company Y = 250

Total number of male employees in both company = 400

Number of male employees working in company Z = $400 - 250 = 150$

Number of female employees working in Y = 150

Number of female employees working in company Z = $2 \times 150 = 300$

Required percentage = $\frac{300}{150} \times 100 = 200\%$

S49. Ans.(a)

Sol.

Number of male employees working in company Y = 250

Total number of male employees in both company = 400

Number of male employees working in company Z = $400 - 250 = 150$

Number of female employees working in Y = 150

Number of female employees working in company Z = $2 \times 150 = 300$

Required average = $\frac{250+300}{2} = 275$

S50. Ans.(b)

Sol.

Number of male employees working in company Y = 250

Total number of male employees in both company = 400

Number of male employees working in company Z = $400 - 250 = 150$

Number of female employees working in Y = 150

Number of female employees working in company Z = $2 \times 150 = 300$

Req. sum = $250 + 150 + 150 + 300 = 850$

S51. Ans.(b)

Sol.

$$\text{Selling price of article S} = 350 \times \frac{80}{100} = \text{Rs. } 280$$

$$\text{Cost price of article S} = 280 \times \frac{100}{140} = \text{Rs. } 200$$

S52. Ans.(a)

Sol.

Let cost price of article Q be Rs.100x

$$\text{Selling price of article Q} = 100x \times \frac{125}{100} = \text{Rs. } 125x$$

$$\text{Marked price of article Q} = 125x \times \frac{100}{75} = \text{Rs. } \frac{500}{3}x$$

So, Cost price of article P = Rs.120x

$$\text{Selling price of article P} = 120x \times \frac{110}{100} = \text{Rs. } 132x$$

$$\text{Marked price of article P} = 132x \times \frac{100}{60} = \text{Rs. } 220x$$

$$\text{So, required percentage} = \frac{220x}{\frac{500}{3}x} \times 100$$

$$= 132\%$$

S53. Ans.(d)

Sol.

$$\text{Cost price of article T} = 238 \times \frac{100}{85} = \text{Rs. } 280$$

$$\text{Marked price of article T} = 238 \times \frac{100}{70} = \text{Rs. } 340$$

$$\text{So, required difference} = 340 - 280 = \text{Rs. } 60$$

S54. Ans.(e)

Sol.

Let Marked price of article R be Rs.100x.

$$\text{Cost price of article R} = 100x \times \frac{90}{100} \times \frac{100}{120} = \text{Rs. } 75x$$

$$\text{Selling price when additional discount offered} = 100x \times \frac{90}{100} \times \frac{90}{100} = 81x$$

ATQ,

$$81x - 75x = 42$$

$$6x = 42$$

$$x = 7$$

$$\text{So, cost price of article R} = 75x = \text{Rs. } 525$$

S55. Ans.(b)

Sol.

Let marked price be Rs.100a.

$$\text{Selling price of article P} = 100a \times \frac{60}{100} = \text{Rs. } 60a$$

$$\text{Selling price of article S} = 100a \times \frac{80}{100} = \text{Rs. } 80a$$

$$\text{Required percentage} = \frac{80a - 60a}{80a} \times 100$$

$$= 25\%$$

S56. Ans.(d)

Sol.

$$40 \times \left(1 - \frac{x}{40}\right)^3 = 20.48$$

$$\left(1 - \frac{x}{40}\right)^3 = \frac{20.48}{40}$$

$$\left(1 - \frac{x}{40}\right)^3 = \frac{512}{1000}$$

$$1 - \frac{x}{40} = \frac{8}{10}$$

$$= 8 \text{ liters}$$

S57. Ans.(b)

Sol.

Let the length and breadth of rectangle be 'l' cm & 'b' cm respectively.
 Let the side of a square be 'a' cm.
 Perimeter of square = 48 cm
 $4a = 48 \text{ cm}$
 $a = 12 \text{ cm}$
 So, $l = 12 \text{ cm}$
 ATQ,
 $b = 12 - 4 = 8 \text{ cm}$
 Required area = $12 \times 8 = 96 \text{ cm}^2$

S58. Ans.(a)

Sol.

Total age of A, B, & C = $48 \times 3 = 144 \text{ years}$
 Let age of A & C is $3x$ & $5x$ respectively.
 Age of B = $3x \times \frac{4}{3} = 4x$
 ATQ,
 $3x + 4x + 5x = 144$
 $12x = 144$
 $x = 12$
 Required difference = $(4 \times 12 - 2) - (3 \times 12 + 5)$
 $= 46 - 41 = 5 \text{ years}$



S59. Ans.(d)

Sol.

Profit sharing ratio of P, Q & R
 $28000 \times 6 + \left(28000 \times \frac{125}{100}\right) \times 6 : 16000 \times 6 + 10000 \times 6 : 20000 \times 12$
 $378000 : 156000 : 240000$
 $63 : 26 : 40$
 Req. difference = $\frac{3120}{40} \times (63 - 26) = \text{Rs. } 2886$

S60. Ans.(e)

Sol.

Let speed of stream be $5x$ km/h

And speed of boat in still water = $5x \times \frac{160}{100} = 8x$ km/hr.

Let distances be 'd' km

$$\frac{d}{5x + 8x} + \frac{d}{8x - 5x} = 32$$

$$= \frac{16d}{39x} = 32$$

$$d = 78x$$

$$\text{Required time} = \frac{79x}{8x} = 9\frac{3}{4} \text{ hours}$$

S61. Ans.(d)

Sol.

Let the capacity of tank L.C.M. (15,10, 20) = 60 units

Efficiency of pipe P1 = $\frac{60}{15} = 4$ unit/hours

Efficiency of pipe P2 = $\frac{60}{10} = 6$ unit/hours

Efficiency of pipe P3 = $\frac{60}{20} = 3$ unit/hours

Tank fill by all the three in three hour = $13 \times 3 = 39$ units

Reaming tank fill by pipe P3 = $\frac{60-39}{3} = 7$ hours

Total time = $3 + 7 = 10$ hours

S62. Ans.(e)

Sol.

ATQ.

$$1600 = \frac{4000 \times R \times 4}{100}$$

$$R = 10\%$$

C.I. for 2 years

$$14 + 14 + \frac{14 \times 14}{100} = 29.96\%$$

29.96% of 4000

$$\frac{29.96}{100} \times 4000 = \text{Rs. } 1198.4$$

S63. Ans.(d)

Sol.

Let marked price and selling price of an article be $13x$ & $10x$ respectively.

Cost price of an article = $10x \times \frac{100}{125} = 8x$

ATQ.

$$13x - 8x = 450$$

$$x = 90$$

Selling price = $10 \times 90 = \text{Rs. } 900$

S64. Ans.(a)

Sol.

Let the length of the train be 'l' meter, speed of train be 's' m/sec and speed of man be 'm' m/sec

ATQ.

$$\frac{l + 250}{s} = 25$$

A man running in opposite direction at speed of 15m/sec.

$$\frac{l}{m + s} = 15$$

Can't be determined speed of train

S65. Ans.(b)

Sol.

Total age of daughters = $4 \times 8 = 32$ years(i)

Total age of daughters and their parents = $6 \times 16 = 96$ years(ii)

Mother is 4 years younger than father

From (i) & (ii)

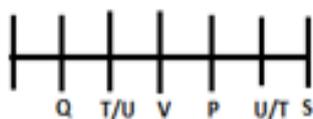
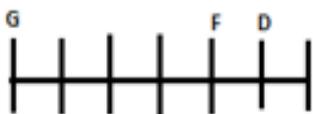
Father's age = 34 years

Father's age 2 years ago = $34 - 2 = 32$ years

S66. Ans.(b)

Sol. G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. We have following conditions-

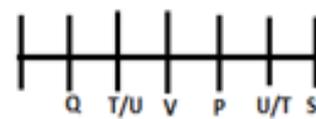
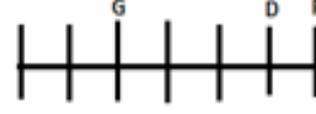
Case 1



Case 2



Case 3

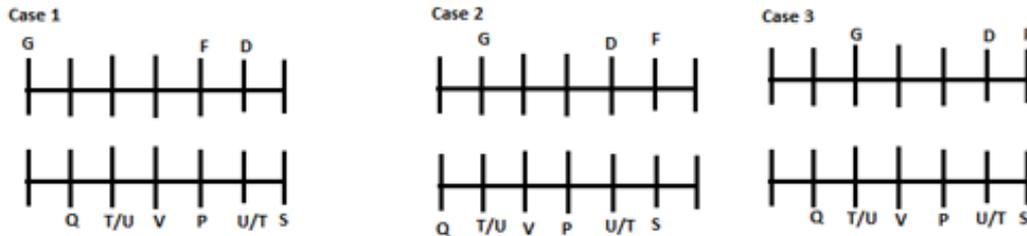


E and A are immediate neighbors of each other. B sits third to the left of A. R sits to the right of the one who faces C. This will eliminate case 1 and case 3. T does not face D. So, the final arrangement is-

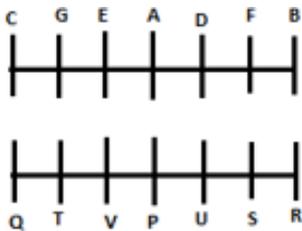


S67. Ans.(c)

Sol. G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. We have following conditions-

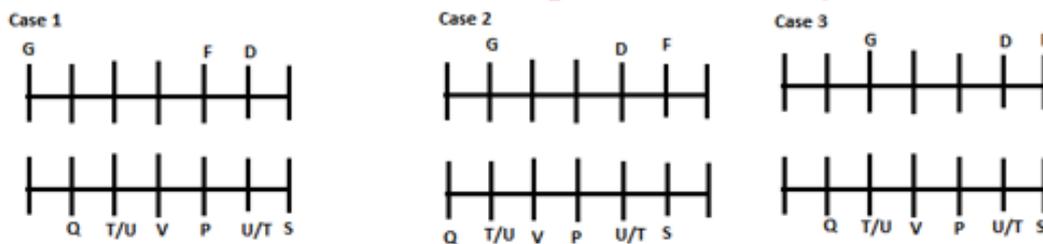


E and A are immediate neighbors of each other. B sits third to the left of A. R sits to the right of the one who faces C. This will eliminate case 1 and case 3. T does not face D. So, the final arrangement is-

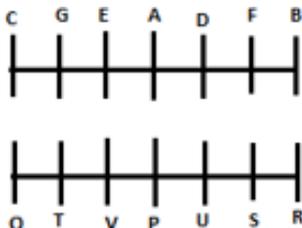


S68. Ans.(d)

Sol. G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. We have following conditions-

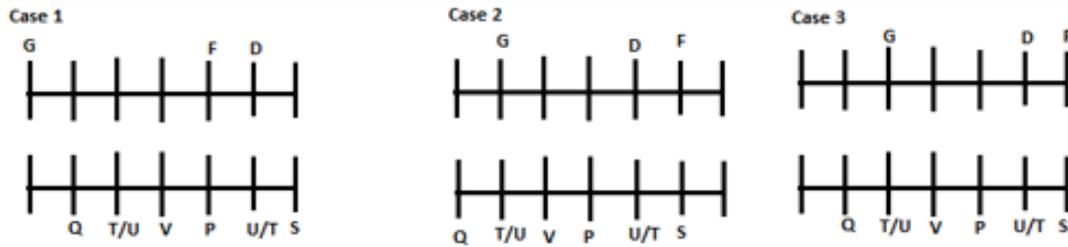


E and A are immediate neighbors of each other. B sits third to the left of A. R sits to the right of the one who faces C. This will eliminate case 1 and case 3. T does not face D. So, the final arrangement is-

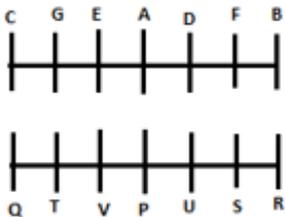


S69. Ans.(e)

Sol. G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. We have following conditions-

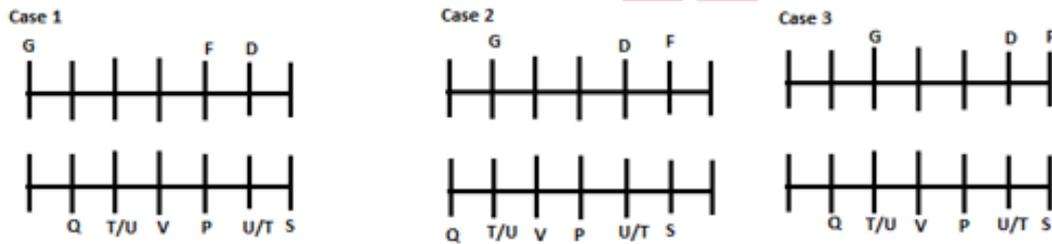


E and A are immediate neighbors of each other. B sits third to the left of A. R sits to the right of the one who faces C. This will eliminate case 1 and case 3. T does not face D. So, the final arrangement is-

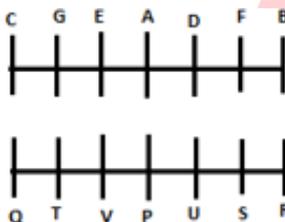


S70. Ans.(e)

Sol. G sits fourth to the right of F and faces the one who is an immediate neighbor of Q. Four persons sit between S and Q. Two persons sit between T and U. Neither T nor U sits at any end. V sits to the immediate left of P. D sits to the immediate left of the one who faces P. We have following conditions-



E and A are immediate neighbors of each other. B sits third to the left of A. R sits to the right of the one who faces C. This will eliminate case 1 and case 3. T does not face D. So, the final arrangement is-



S71. Ans.(e)

Sol.

- I. $X > Y$ (True)
- II. $B > Z$ (True)

S72. Ans.(d)

Sol.

- I. $T < Q$ (False)
- II. $T = Q$ (False)

S73. Ans.(a)

Sol.

I. $F > I$ (True)

II. $A \geq G$ (False)

S74. Ans.(b)

Sol. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. There are two cases-

Case-1		Case-2	
Box	Color	Box	Color
	White		
			White
K	Yellow		
		K	Yellow
	Green		
R			Green
		R	

Now, Orange colored box is placed immediately below red colored box but not at the bottom most position. Two boxes are placed between Box J which is Black in color and Box P. Box O is of blue color. There is one more possibility in case-1, i.e., case-1(a) .

Case-1		Case-1(a)		Case-2	
Box	Color	Box	Color	Box	Color
	White		White	O	Blue
J	Black	O	Blue		White
K	Yellow	K	Yellow	J	Black
	Red		Red	K	Yellow
P	Orange	P	Orange		Red
	Green		Green	P	Orange
R		R			Green
O	Blue	J	Black	R	

Four boxes are placed between Box S and Box M. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. This will eliminate case 1 and case 1(a) . Box N is not purple color. So, the final arrangement will be-

Box	Color
O	Blue
M	White
J	Black
K	Yellow
N	Red
P	Orange
S	Green
R	Purple

S75. Ans.(c)

Sol. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. There are two cases-

Case-1		Case-2	
Box	Color	Box	Color
	White		
			White
K	Yellow		
		K	Yellow
	Green		
R			Green
		R	

Now, Orange colored box is placed immediately below red colored box but not at the bottom most position. Two boxes are placed between Box J which is Black in color and Box P. Box O is of blue color. There is one more possibility in case-1, i.e., case-1(a).

Case-1		Case-1(a)		Case-2	
Box	Color	Box	Color	Box	Color
	White		White	O	Blue
J	Black	O	Blue		White
K	Yellow	K	Yellow	J	Black
	Red		Red	K	Yellow
P	Orange	P	Orange		Red
	Green		Green	P	Orange
R		R			Green
O	Blue	J	Black	R	

Four boxes are placed between Box S and Box M. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. This will eliminate case 1 and case 1(a). Box N is not purple color. So, the final arrangement will be-

Box	Color
O	Blue
M	White
J	Black
K	Yellow
N	Red
P	Orange
S	Green
R	Purple

S76. Ans.(d)

Sol. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. There are two cases-

Case-1		Case-2	
Box	Color	Box	Color
	White		
			White
K	Yellow		
		K	Yellow
	Green		
R			Green
		R	

Now, Orange colored box is placed immediately below red colored box but not at the bottom most position. Two boxes are placed between Box J which is Black in color and Box P. Box O is of blue color. There is one more possibility in case-1, i.e., case-1(a).

Case-1		Case-1(a)		Case-2	
Box	Color	Box	Color	Box	Color
	White		White	O	Blue
J	Black	O	Blue		White
K	Yellow	K	Yellow	J	Black
	Red		Red	K	Yellow
P	Orange	P	Orange		Red
	Green		Green	P	Orange
R		R			Green
O	Blue	J	Black	R	

Four boxes are placed between Box S and Box M. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. This will eliminate case 1 and case 1(a). Box N is not purple color. So, the final arrangement will be-

Box	Color
O	Blue
M	White
J	Black
K	Yellow
N	Red
P	Orange
S	Green
R	Purple

S77. Ans.(e)

Sol. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. There are two cases-

Case-1		Case-2	
Box	Color	Box	Color
	White		
			White
K	Yellow		
		K	Yellow
	Green		
R			Green
		R	

Now, Orange colored box is placed immediately below red colored box but not at the bottom most position. Two boxes are placed between Box J which is Black in color and Box P. Box O is of blue color. There is one more possibility in case-1, i.e., case-1(a) .

Case-1		Case-1(a)		Case-2	
Box	Color	Box	Color	Box	Color
	White		White	O	Blue
J	Black	O	Blue		White
K	Yellow	K	Yellow	J	Black
	Red		Red	K	Yellow
P	Orange	P	Orange		Red
	Green		Green	P	Orange
R		R			Green
O	Blue	J	Black	R	

Four boxes are placed between Box S and Box M. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. This will eliminate case 1 and case 1(a) . Box N is not purple color. So, the final arrangement will be-

Box	Color
O	Blue
M	White
J	Black
K	Yellow
N	Red
P	Orange
S	Green
R	Purple

S78. Ans.(c)

Sol. Four boxes are placed between White colored box and Green colored box. Box R is placed immediately below Green colored box. Three boxes are placed between Box K which is Yellow in color and Box R. There are two cases-

Case-1		Case-2	
Box	Color	Box	Color
	White		
			White
K	Yellow		
		K	Yellow
	Green		
R			Green
		R	

Now, Orange colored box is placed immediately below red colored box but not at the bottom most position. Two boxes are placed between Box J which is Black in color and Box P. Box O is of blue color. There is one more possibility in case-1, i.e., case-1(a) .

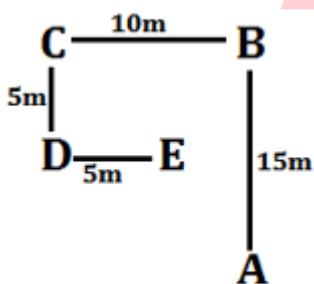
Case-1		Case-1(a)		Case-2	
Box	Color	Box	Color	Box	Color
	White		White	O	Blue
J	Black	O	Blue		White
K	Yellow	K	Yellow	J	Black
	Red		Red	K	Yellow
P	Orange	P	Orange		Red
	Green		Green	P	Orange
R		R			Green
O	Blue	J	Black	R	

Four boxes are placed between Box S and Box M. Purple colored box is not placed immediately below Box M. Box M is not placed at top most position. This will eliminate case 1 and case 1(a) . Box N is not purple color. So, the final arrangement will be-

Box	Color
O	Blue
M	White
J	Black
K	Yellow
N	Red
P	Orange
S	Green
R	Purple

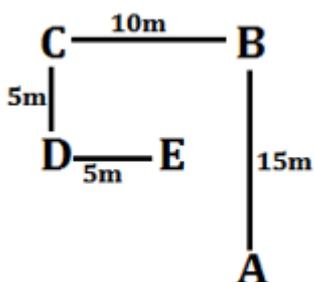
S79. Ans.(d)

Sol.



S80. Ans.(b)

Sol.



S81. Ans.(a)

Sol. Two floors gap between B and G. Both B and G lives in odd numbered flat. There are two possible cases. One floor gap between G and A. G and A live in the same flat. H lives in flat 2 but not on the floor of A and B.

Floor	Flat 1	Flat 2	Flat 1	Flat 2
	Case 1		Case 2	
4	B		G	H/
3	A			H/
2		H/	A	
1	G	H/	B	

D lives just below the floor of H but in different flats. Case 1 will eliminate here. C lives on an even numbered floor but above the floor of F. E is one of the persons. So, the final arrangement is:

Floor	Flat 1	Flat 2
4	G	H
3	D	E
2	A	C
1	B	F

S82. Ans.(e)

Sol. Two floors gap between B and G. Both B and G lives in odd numbered flat. There are two possible cases. One floor gap between G and A. G and A live in the same flat. H lives in flat 2 but not on the floor of A and B.

Floor	Flat 1	Flat 2	Flat 1	Flat 2
	Case 1		Case 2	
4	B		G	H/
3	A			H/
2		H/	A	
1	G	H/	B	



D lives just below the floor of H but in different flats. Case 1 will eliminate here. C lives on an even numbered floor but above the floor of F. E is one of the persons. So, the final arrangement is:

Floor	Flat 1	Flat 2
4	G	H
3	D	E
2	A	C
1	B	F

S83. Ans.(c)

Sol. Two floors gap between B and G. Both B and G lives in odd numbered flat. There are two possible cases. One floor gap between G and A. G and A live in the same flat. H lives in flat 2 but not on the floor of A and B.

Floor	Flat 1	Flat 2	Flat 1	Flat 2
	Case 1		Case 2	
4	B		G	H/
3	A			H/
2		H/	A	
1	G	H/	B	

D lives just below the floor of H but in different flats. Case 1 will eliminate here. C lives on an even numbered floor but above the floor of F. E is one of the persons. So, the final arrangement is:

Floor	Flat 1	Flat 2
4	G	H
3	D	E
2	A	C
1	B	F

S84. Ans.(d)

Sol. Two floors gap between B and G. Both B and G lives in odd numbered flat. There are two possible cases. One floor gap between G and A. G and A live in the same flat. H lives in flat 2 but not on the floor of A and B.

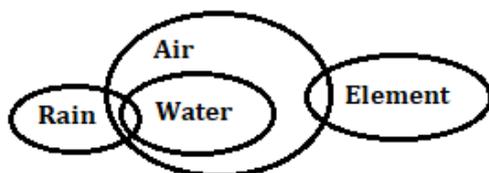
Floor	Flat 1	Flat 2	Flat 1	Flat 2
	Case 1		Case 2	
4	B		G	H/
3	A			H/
2		H/	A	
1	G	H/	B	

D lives just below the floor of H but in different flats. Case 1 will eliminate here. C lives on an even numbered floor but above the floor of F. E is one of the persons. So, the final arrangement is:

Floor	Flat 1	Flat 2
4	G	H
3	D	E
2	A	C
1	B	F

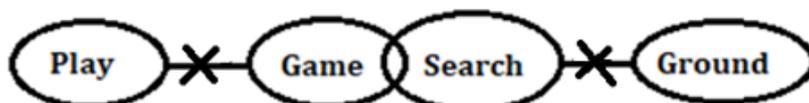
S85. Ans.(e)

Sol.



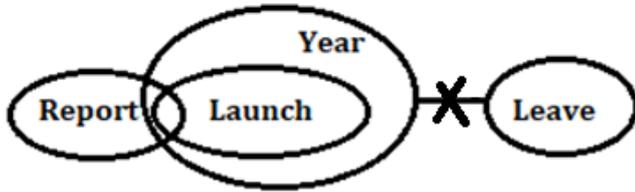
S86. Ans.(c)

Sol.



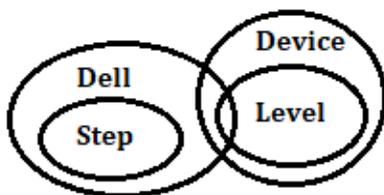
S87. Ans.(a)

Sol.



S88. Ans.(d)

Sol.



S89. Ans.(b)

Sol. Three persons are there between S and L. L works below CMO. There are two possibilities. N is junior to MD but senior to S. More than three persons work between N and P.

Designations	Persons	
	Case 1	Case 2
MD		
COO	N	N
CEO	S	
CFO		S
CTO		
CMO		
Manager	L	P
HR	P	L

Same number of persons are junior to P and senior to M respectively. Case 2 will eliminate here.

R is senior to CMO but junior to Q. O is one of the persons. Hence, the final arrangement is:

Designation	Person
MD	M
COO	N
CEO	S
CFO	Q
CTO	R
CMO	O
Manager	L
HR	P

S90. Ans.(b)

Sol. Three persons are there between S and L. L works below CMO. There are two possibilities. N is junior to MD but senior to S. More than three persons work between N and P.

Designations	Persons	
	Case 1	Case 2
MD		
COO	N	N
CEO	S	
CFO		S
CTO		
CMO		
Manager	L	P
HR	P	L

Same number of persons are junior to P and senior to M respectively. Case 2 will eliminate here. R is senior to CMO but junior to Q. O is one of the persons. Hence, the final arrangement is:

Designation	Person
MD	M
COO	N
CEO	S
CFO	Q
CTO	R
CMO	O
Manager	L
HR	P

S91. Ans.(d)

Sol. Three persons are there between S and L. L works below CMO. There are two possibilities. N is junior to MD but senior to S. More than three persons work between N and P.

Designations	Persons	
	Case 1	Case 2
MD		
COO	N	N
CEO	S	
CFO		S
CTO		
CMO		
Manager	L	P
HR	P	L

Same number of persons are junior to P and senior to M respectively. Case 2 will eliminate here. R is senior to CMO but junior to Q. O is one of the persons. Hence, the final arrangement is:

Designation	Person
MD	M
COO	N
CEO	S
CFO	Q
CTO	R
CMO	O
Manager	L
HR	P

S92. Ans.(e)

Sol. Three persons are there between S and L. L works below CMO. There are two possibilities. N is junior to MD but senior to S. More than three persons work between N and P.

Designations	Persons	
	Case 1	Case 2
MD		
COO	N	N
CEO	S	
CFO		S
CTO		
CMO		
Manager	L	P
HR	P	L

Same number of persons are junior to P and senior to M respectively. Case 2 will eliminate here.

R is senior to CMO but junior to Q. O is one of the persons. Hence, the final arrangement is:

Designation	Person
MD	M
COO	N
CEO	S
CFO	Q
CTO	R
CMO	O
Manager	L
HR	P

S93. Ans.(c)

S94. Ans.(d)

Sol. #N, @O, \$I, %P

S95. Ans.(c)

Sol. G6&, Q8%

S96. Ans.(b)

S97. Ans.(a)

Sol. Original number= 8467252371

New number= 1357722468

S98. Ans.(b)

Sol.

Words	Codes
Public	Mkt
Brain	Edc
Mystery	Hjo
Takes	Sdn
Goal	Iop
Reach	Uyv
Creates/power	wet/tfx

S99. Ans.(e)

Sol.

Words	Codes
Public	Mkt
Brain	Edc
Mystery	Hjo
Takes	Sdn
Goal	Iop
Reach	Uyv
Creates/power	wet/tfx

S100. Ans.(b)

Sol.

Words	Codes
Public	Mkt
Brain	Edc
Mystery	Hjo
Takes	Sdn
Goal	Iop
Reach	Uyv
Creates/power	wet/tfx

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