RRB ALP CBT-I Official Paper (Held On: 17 Feb, 2026 Shift 2) (Previous Year Paper)

RRB Assistant Loco Pilot (ALP) • 2026 • 75 questions • 60 minutes • Answer key

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STAGE I (CBT I)

Q1. Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # P & T £ @ G $ G V M & X M @ # & L L @ K Y (Right)

How many such letter are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

(a) 2
(b) 3
(c) 4
(d) 5

Q2. If $a^2 + b^2 + c^2 + 189 = 6(a + 4b + 2c)$, then $\sqrt{(ab + bc + ca)}$ is equal to:

(a) $2\sqrt{11}$
(b) $2\sqrt{14}$
(c) $3\sqrt{11}$
(d) $3\sqrt{14}$

Q3. What should come in place of the question mark (?) in the given series?

25 29 34 40 47 55 ?

(a) 68
(b) 62
(c) 66
(d) 64

Q4. Each letter in the word BANNER is changed to the letter immediately preceding it in the English alphabetical order, and then all the letters thus formed are arranged in reverse alphabetical order. Which letter will be third letter from the right in the new number thus formed?

(a) C
(b) M
(c) B
(d) L

Q5. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(8,168,7)

(9,243,9)

(a) (16,324,8)
(b) (15,330,8)

(c) (13,325,9)
(d) (12,252,7)

Q6. In 2025, which Indian state unveiled plans to establish the country's first Quantum Computing Village?
(a) Tamil Nadu
(b) Haryana
(c) Kerala
(d) Andhra Pradesh

Q7. In a certain code language, 'book is published ' is coded as 'cw ku qr' and 'book was interesting' is coded as 'ot qr zx'. How is 'book' coded in the given language?
(a) ot
(b) qr
(c) ku
(d) cw

Q8. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
5 × 39 ÷ 39 + 39 - 5 = ?
(a) -27
(b) -31
(c) -29
(d) -30

Q9. A shopkeeper sells an item for Rs. 430.5 after giving two successive discounts of 70% and 75% on its marked price. Had he not given any discount, he would have earned a profit of 40%. What is the cost price (in Rs.) of the item?
(a) 4121
(b) 4100
(c) 4081
(d) 4145

Q10. Five students, P, Q, R, S, and T, have different heights. P is taller than Q but shorter than R. S is not the shortest. Only one student is shorter than T. Who among them is the shortest?
(a) R
(b) Q
(c) P
(d) S

Q11. A solid metal sphere is melted and smaller spheres of equal radii are formed. 5% of the volume of the sphere is lost during the process. The smaller sphere has a radius that is one-tenth of the large sphere. If 14 liters of paint was needed to paint the larger sphere, how many liters is needed to paint all the smaller spheres?
(a) 102 liters
(b) 133 liters
(c) 154 liters
(d) 44 liters

Q12. In a code language, 'SAND' is coded as WDRG and 'BIRD' is coded as FLVG. How will 'FOUR' be coded in the same language?
(a) JSXV
(b) JRYU
(c) ISXV
(d) IRYW

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Q13. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No rugs are lamps.

No doors are rugs.

Conclusions:

(I) No doors are lamps.

(II) Some lamps are doors.

(a) Only conclusion (II) follows.
(b) Only conclusion (I) follows.
(c) Both conclusions (I) and (II) follow.
(d) Neither conclusion (I) nor (II) follows.

Q14. Which of the following processes is responsible for the transportation of soluble products formed by photosynthesis in different parts of plant?

(a) Termination
(b) Transpiration
(c) Translocation
(d) Assimilation

Q15. If m : f = 16 : 3, then what is the value of (3m - 16f)/(3m + 16f) ?

(a) 253/249
(b) 233/249
(c) 0
(d) 253/247

Q16. Seven boxes, M, N, O, P, Q, R and S, are kept one over the other but not necessarily in the same order. P is kept third from the bottom. Only one box is kept between P and M but M is not kept in the lowermost position. Only three boxes are kept between M and R. O is kept immediately below Q. Only one box is kept between O and N. Which box is second from the top?

(a) O
(b) N
(c) Q
(d) R

Q17. Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

(a) OID
(b) GAV
(c) JDY
(d) CVR

Q18. The cost of 7 kg of sugar of quality A is Rs. 245, and the cost of 5 kg of sugar of quality B is Rs. 300. In what ratio should quality A sugar and quality B sugar be mixed so that the cost of 1 kg of the mixture is Rs. 50?

(a) 4 : 3
(b) 3 : 2
(c) 2 : 3
(d) 3 : 4

Q19. A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four people – Amit, Bhavesh, Chandan, and Dhiraj – are of different ages.

Who is the oldest?

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(I) Bhavesh is older than Amit but younger than Dhiraj.

(II) Chandan is younger than Dhiraj but older than Amit.

(a) Data in Statement II alone is sufficient to answer the question while data in Statement I is not

(b) Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

(c) Data in Statement I alone is sufficient to answer the question while data in Statement II is not

(d) Data in both statements I and II together are NOT sufficient to answer the question

Q20. Bharat, Jyoti, and Vishal invest Rs. 70,000, Rs. 32,000, and Rs. 46,000, respectively, to start a business. At the end of the year, the total profit earned is Rs. 52,540. 60% of the total profit earned is given to charity and the rest is divided among them in the ratio of their profit. What will be the share of Vishal (in Rs.)?

(a) 6520

(b) 6532

(c) 6453

(d) 6380

Q21. During a sale 50% of the goods are sold at 40% profit, 30% of the remaining goods are sold at 46% profit and the still remaining goods are sold at a loss of 24%. If there is an overall profit of x%, then what is the value of x?

(a) 18.5

(b) 20

(c) 19

(d) 17.5

Q22. The price of an article was Rs. 1600, It increased by 10% in the first year and by 20% in the second year. What is the price (in Rs.) of the article after two years?

(a) 1840

(b) 2144

(c) 2112

(d) 2000

Q23. A, B, D, U, P and K live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. U lives on an odd-numbered floor but not on the lowermost floor. Only one person lives between U and P. D does not live on the lowermost floor. K lives immediately above D. B lives immediately above U. A lives immediately below U. Who lives on Floor 2?

(a) A

(b) P

(c) B

(d) U

Q24. Each vowel in the word JOURNAL is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many vowels are there in the new group of letters thus formed?

(a) 3

(b) 2

(c) 0

(d) 1

Q25. For an echo to be heard clearly, the reflecting surface should be at least how far from the listener? (Take speed of sound ≈ 340 m/s)

(a) 100 m

(b) 17 m

(c) 50 m

(d) 34 m

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Q26. The cilia in the upper respiratory tract primarily help in:

(a) Pumping blood to lungs
(b) Absorbing oxygen
(c) Gas exchange
(d) Removing harmful particles from inhaled air

Q27. It is given that, Δ ABC ~ Δ EDF such that AB = 5 cm, AC = 7.5 cm, DF = 15 cm and ED = 12.5 cm. The sum of the remaining sides of the triangles is:

(a) 24.75 cm
(b) 22.25 cm
(c) 20.25 cm
(d) 23.25 cm

Q28. Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. No one sits to the right of E. Only three people sit between E and D. Only two people sit between D and A. F sits third to the left of B. G sits to the immediate right of B. How many people sit between B and E?

(a) 2
(b) 4
(c) 3
(d) 1

Q29. Each letter in the word SHOCKED is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus obtained are arranged in the English alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

(a) G
(b) D
(c) J
(d) N

Q30. Why do we feel cool after applying water on our skin in summer?

(a) Evaporation of water absorbs heat from the skin surface
(b) Water increases body temperature by absorbing sunlight
(c) Condensation of water releases energy on the skin surface
(d) Water reduces sweat formation and retains body heat

Q31. Three pipes of diameters 2 cm, 3 cm and 4 cm are running together to fill a cistern. The smallest pipe alone can fill the cistern in 232 minutes. The amount of water flowing in each pipe is proportional to the square of its diameter. The time (in minutes) taken by all pipes running together to completely fill the cistern is:

(a) 40
(b) 42
(c) 36
(d) 32

Q32. In a division sum, the divisor is 2 times the quotient and 4 times the remainder. If the remainder is 22, what is the dividend?

(a) 3889
(b) 3892
(c) 3894
(d) 3899

Q33. PL 2 is related to LO 15 in a certain way. In the same way, NJ 5 is related to JM 18. To which of the given options is NP 3 related, following the same logic?

(a) IT 14
(b) IS 16
(c) JS 16
(d) JT 14

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Q34. Paritosh starts from Point A and drives 22 km towards South. He then takes a right turn, drives 12 km, turns right and drives 26 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only, unless specified.)

(a) 11 km to the east
(b) 10 km to the east
(c) 11 km to the west
(d) 10 km to the west

Q35. Oaths and affirmations for various constitutional posts are provided in which Schedule of the Indian Constitution?

(a) Eleventh Schedule
(b) Third Schedule
(c) Ninth Schedule
(d) First Schedule

Q36. Each of Gauri, Hina, Isha, Jack, Kunti, Lali and Mahima has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Gauri has an exam on Monday. Only three persons have exams between Gauri and Kunti. Hina has exam immediately after Jack and Hina has exam immediately before Isha. Lali does not have an exam on the last day. On which day does Lali have the exam?

(a) Saturday
(b) Sunday
(c) Wednesday
(d) Tuesday

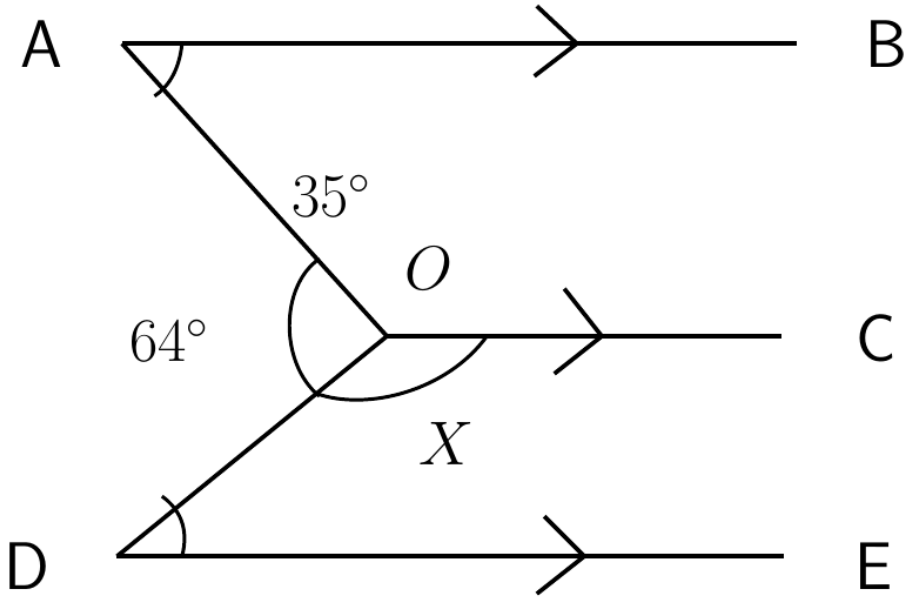
Q37. If the energy of an electron in the second orbit of hydrogen is −3.4 eV, what is the energy in the fourth orbit?

(a) −6.8 eV
(b) −1.7 eV
(c) −0.85 eV
(d) −13.6 eV

Q38. NQMI is related to TWSO in a certain way based on the English alphabetical order. In the same way, DHKF is related to JNQL. To which of the following is LOPS related, following the same logic?

(a) RVUY
(b) QUUX
(c) QVVX
(d) RUVY

Q39. In the given figure, find the value of x.



(a) 145°
(b) 209°
(c) 151°
(d) 105°

Q40. Atul distributed Rs. 24700 between his two grandsons 12-year-old Baban and 13-year-old Rakesh such that they get equal money when they turn 23 years old. Till then the money is in a bank getting compound interest at 8% per annum, compounded annually. How much (in Rs.) Atul deposited in the name of Rakesh?

(a) 11875
(b) 11625
(c) 13175
(d) 12825

Q41. What should come in place of ? in the given series?

91 97 106 118 133 ?

(a) 150
(b) 153
(c) 152
(d) 151

Q42. A cistern can be filled by a tap in 5 hours and emptied by an outlet pipe in 9 hours. How long will it take to fill the cistern if both the tap and the pipe are opened together?

(a) 12 hours 15 minutes
(b) 12 hours 25 minutes
(c) 11 hours 25 minutes
(d) 11 hours 15 minutes

Q43. The distance between the pole and the principal focus of a spherical mirror is called:

(a) Radius of curvature
(b) Focal length
(c) Magnification
(d) Aperture

Q44. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

(a) JI-LK
(b) BA-DC
(c) XW-ZY
(d) GH-PQ

Q45. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some buttons are mangoes.

Some pigs are mangoes.

Conclusions:

(I) Some buttons are pigs.

(II) All mangoes are buttons.

(a) Both conclusions (I) and (II) follow.
(b) Only conclusion (I) follows.
(c) Only conclusion (II) follows.
(d) Neither conclusion (I) nor (II) follows.

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Q46. A car travels 120 km at 60 km/h, then 200 km at 80 km/h, but during the second segment, it experiences a total stoppage time of 20 minutes due to traffic. After that, it covers the final 150 km at 100 km/h. What is the average speed (in km/h, rounded off to one decimal place) of the car for the entire journey including stoppage times?

(a) 75.3
(b) 72.4
(c) 74.2
(d) 73.5

Q47. A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four bags – Atlas, Bolt, Cargo, and Drift – have different weights.

Which bag is heavier: Bolt or Cargo?

(I) Atlas is heavier than Bolt but lighter than Drift.

(II) Cargo is lighter than Drift but heavier than Atlas.

(a) Data in Statement II alone is sufficient to answer the question while data in Statement I is not
(b) Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
(c) Data in both statements I and II together are NOT sufficient to answer the question
(d) Data in Statement I alone is sufficient to answer the question while data in Statement II is not

Q48. Each of A, B, C, D, E, F and G play a game on a different day of a week starting from Monday and ending on Sunday of the same week. B plays the game on Wednesday. Only three persons play between B and F. Only one person plays between C and F. A plays immediately before D. G does not play immediately after B. On which day does A play the game?

(a) Friday
(b) Sunday
(c) Monday
(d) Tuesday

Q49. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MCZ RHE WMJ BRO ?

(a) GWT
(b) GER
(c) GTW
(d) GRD

Q50. Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) K Ω T & R $ S @ B * L % N # P £ D Ω G $ M (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by another symbol?

(a) More than three
(b) Two
(c) One
(d) Three

Q51. What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

312 + 6 x 8 - 21 ÷ 169 = ?

(a) 51
(b) 59
(c) 55
(d) 53

Q52. A product's price after successive discounts of 20% and 10% is Rs. 7,200. What was the original price of the product before any discounts were applied?

(a) Rs. 12,000
(b) Rs. 10,000
(c) Rs. 11,000
(d) Rs. 9,000

Q53. This question is based on the five, three-digit numbers given below.

(Left) 567 254 395 486 671 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

(a) 4
(b) 3
(c) 2
(d) 5

Q54. Megaphones, loudhailers, horns and musical instruments like trumpets and shehnais are designed to:

(a) Absorb sound waves
(b) Spread sound equally in all directions
(c) Send sound in a specific direction
(d) Reduce the loudness of sound

Q55. The mean of a data is four times of its mode. If the median of the data is 63, find its mean.

(a) 72
(b) 84
(c) 63
(d) 93

Q56. 4% of a number is what percentage of 20% of the same number?

(a) 20%
(b) 500%
(c) 8.33%
(d) 16.67%

Q57. In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Which numbers should replace X and Y, so that the pattern followed by the two numbers on the left side of :: is the same as that on the right side of ::?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

X : 98 : : 196 : Y

(a) X = 47, Y = 101
(b) X = 98, Y = 96
(c) X = 104, Y = 185
(d) X = 116, Y = 178

Q58. Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

NLGT : SPJV

DQCL : IUFN

(a) RMEF : WRHH
(b) JPZS : OTCU
(c) KNMS : PRPV
(d) WXYZ : BBBC

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Q59. The length of a side of a square is equal to the diameter of a circle. If the area of the square is equal to 196cm², then find the area of the circle (in cm²). (Use π = 22/7)

(a) 148
(b) 145
(c) 616
(d) 154

Q60. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZHW UCR PXM KSH ?

(a) FDR
(b) FCD
(c) FCN
(d) FNC

Q61. What sum (in Rs.) will earn an interest of Rs. 480 in 2 years at 12% simple interest per year?

(a) 2150
(b) 2200
(c) 2000
(d) 1800

Q62. If the cost price of 12 identical books is Rs. 960 and the cost price of 8 identical pens is Rs. 320, find the total cost price (in Rs.) of 15 books and 10 pens of the same kind.

(a) 1800
(b) 1200
(c) 1600
(d) 1500

Q63. On the basis of function, the plasma membrane is _____ in nature.

(a) semi-permeable
(b) selectively permeable
(c) fully permeable
(d) fully non-permeable

Q64. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

112 - 100

34 - 22

(a) 43 - 23
(b) 23 - 12
(c) 15 - 3
(d) 55 - 42

Q65. A person drove at 59 kmph for 3.5 hours, then increased his speed by 9 kmph, and reached the destination in another hour. Find the average speed (in kmph) of the person during the entire journey.

(a) 61
(b) 59
(c) 57
(d) 66

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Q66. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

(a) FD - GE
(b) PN - QO
(c) RP - BJ
(d) MK - NL

Q67. Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) F U V G Q R T N E S C T E U S R R S Q Q Y (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

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

Q68. If ‘P’ stands for ‘×’, ‘Q’ stands for ‘÷’, ‘R’ stands for ‘−’ and ‘S’ stands for ‘+’, then what will come in place of the question mark (?) in the following equation?

70 Q 2 R 5 P 3 S 18 = ?

(a) 54
(b) 21
(c) 38
(d) 48

Q69. In a certain code language,

'A # B' means ‘A is the daughter of B’,

'A @ B' means ‘A is the brother of B’,

'A + B' means ‘A is the wife of B’ and

'A - B' means ‘A is the father of B’.

Based on the above, how is D related to R if ‘D # M - S + P @ R’?

(a) Brother's daughter
(b) Brother's wife's sister
(c) Brother's wife's mother
(d) Brother's wife

Q70. In a certain code language,

'A # B' means ‘A is the daughter of B’,

'A % B' means ‘A is the father of B’,

'A − B' means ‘A is the son of B’,

'A @ B' means ‘A is the sister of B’.

How is S related to U if ‘S @ M − H # Y % U’?

(a) Daughter
(b) Bdarother's ughter
(c) Sister
(d) Sister's daughter

Q71. A student's marks were incorrectly entered as 44 instead of 92. Due to this, the avarage marks of the class got decreased by 4/3. What is the number of students in the class?

(a) 43
(b) 36
(c) 41
(d) 32

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Q72. What is the mode of the following data?

77, 85, 87, 75, 78, 62, 68, 61, 90, 63, 61, 71, 69, 77, 75, 82, 75, 69, 74, 75, 70, 81, 65, 66, 61

(a) 75
(b) 77
(c) 69
(d) 61

Q73. Vinay starts to walk from point A towards the south for 7 m. Then he takes a left turn and walks for 8 m. Then he takes a left turn and walks for 4 m. Then he takes a left turn and walks for 2 m. Then he takes a right turn and walks for 3 m. At last, he takes left turn and walks for 2 m and stops at point B. Towards which direction should he walk in order to reach point A again? (All turns are 90-degree turns only unless specified.)

(a) West
(b) East
(c) South
(d) North

Q74. D, E, F, G, I, J and K are sitting around a circular table, facing the centre of the table.

E sits to the immediate left of I. F sits to the immediate left of D. D sits second to the left of K. G sits third to the left of I.

Who sits third to the right of J?

(a) G
(b) F
(c) D
(d) K

Q75. Anand purchased an item and spent Rs. 63 on its repair. He then sold it to Bharath at a profit of 25%. Later, Bharath sold the item for Rs. 8415, incurring a loss of 15%. What was Anand's cost (in Rs.) of the item just before selling it to Bharath?

(a) 7918
(b) 7917
(c) 7919
(d) 7920

ANSWER KEY

1	a	2	a	3	a	4	a	5	a	6	a	7	a	8	a	9	a	10	a
11	a	12	a	13	a	14	a	15	a	16	a	17	a	18	a	19	a	20	a
21	a	22	a	23	a	24	a	25	a	26	a	27	a	28	a	29	a	30	a
31	a	32	a	33	a	34	a	35	a	36	a	37	a	38	a	39	a	40	a
41	a	42	a	43	a	44	a	45	a	46	a	47	a	48	a	49	a	50	a
51	a	52	a	53	a	54	a	55	a	56	a	57	a	58	a	59	a	60	a
61	a	62	a	63	a	64	a	65	a	66	a	67	a	68	a	69	a	70	a
71	a	72	a	73	a	74	a	75	a										

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