RRB ALP CBT-I Official Paper (Held On: 11 Mar, 2026 Shift 1) (Previous Year Paper)

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

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STAGE I (CBT I)

Q1. V, O, K, L, S and J are sitting around a circular table facing the centre. L is the immediate neighbour of both O and S. V is sitting second to the left of L. K is sitting to the immediate right of O. O is sitting to the immediate right of L. Who is sitting to the immediate right of J?

(a) K
(b) S
(c) V
(d) L

Q2. Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 5 % 3 + 8 1 8 \ / % 6 1 1 1 + # % 3 7 9 > (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

(a) Two
(b) One
(c) Three
(d) None

Q3. Seven boxes, A, Z, W, O, P, Q and L are kept one over the other but not necessarily in the same order. Q is kept immediately above A. O is kept immediately above W. Only L is kept above Z. Only two boxes are kept above Q. O is not kept at the third position from the bottom. How many boxes are kept between P and L?

(a) 1
(b) 3
(c) 5
(d) 2

Q4. Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) K O * © I % X © V € £ # U B $ D * # L © A U (Right)

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

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

Q5. The marked price of a refrigerator is Rs. 50,000. The dealer offered three successive discounts of 15%, 20%, and 30%. The selling price will be:

(a) Rs. 23,450
(b) Rs. 23,800
(c) Rs. 24,050
(d) Rs. 24,500

Q6. 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’.

Based on the above, how is S related to U if ‘S - M @ H # Y % U’?

(a) Brother's son
(b) Sister's son
(c) Father
(d) Brother

Q7. Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) Y E @ H £ # A D K > X N B $ + A C U * % M $ Z (Right)

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

(a) Three
(b) One
(c) Two
(d) Four

Q8. A person drove at 71 kmph for 2.5 hours, then increased his speed by 21 kmph, and reached the destination in another hour. Find the average speed (in kmph) of the person during the entire journey.

(a) 82
(b) 77
(c) 80
(d) 74

Q9. What should come in place of the question mark (?) in the given series?

82 85 95 112 136 ?

(a) 153
(b) 167
(c) 174
(d) 160

Q10. If ‘A’ stands for ‘÷’, ‘B’ stands for ‘×’, ‘C’ stands for ‘+’ and ‘D’ stands for ‘−’, then what will come in place of the question mark (?) in the following equation?

104 A 4 D 3 B 9 C 12 = ?

(a) 5
(b) 34
(c) 11
(d) 20

Q11. In a code language, 'PEN' is coded as 9 and 'WOLF' is coded as 16. How will 'ISLAND' be coded in the same language?

(a) 18
(b) 24

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(c) 36
(d) 42

Q12. A boat can travel 60 km downstream in the same time that it takes to travel 36 km upstream. The boat then makes a round trip of 240 km, going 120 km downstream and returning 120 km upstream. The total time taken for this round trip is 1 hour more than the time it would have taken to cover 240 km in still water. Find the speed (in km/h) of the boat in still water.

(a) 16
(b) 18
(c) 15
(d) 17

Q13. The refractive index of water is 1.33. What does this value mean?

(a) Light travels 1.33 times faster in water than in air.
(b) The speed of light in air is 1.33 times the speed of light in water.
(c) Light travels 1.33 times slower in air than in water.
(d) The speed of light in water and air is the same.

Q14. A, B, C, D, E and F are sitting around a circular table, facing the centre. B sits third to the left of F. D sits to the immediate left of A. C sits second to the left of B. What is the position of A with respect to E?

(a) Second to the left
(b) Third to the left
(c) Immediate right
(d) Second to the right

Q15. What sum (in Rs.) will earn an interest of Rs. 460 in 2 years at 8% simple interest per year?

(a) 3025
(b) 2675
(c) 3075
(d) 2875

Q16. Find the mean proportional of 49 and 25.

(a) 38
(b) 32
(c) 47
(d) 35

Q17. A shopkeeper bought six identical mobile phones for Rs. 30000, and sold two of them for Rs. 28000. Find his gain percentage.

(a) 178%
(b) 181%
(c) 180%
(d) 183%

Q18. Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GNP : KRU

COK : GSP

(a) VIQ : ZNV
(b) HDL : LJQ
(c) HNR : LTW
(d) VAM : ZER

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Q19. Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 ^ 5 # 6 £ 1 $ @ 8 % 7 * 4 ? Ω 9 2 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

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

Q20. Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits)

4 - 8 - 10 - 12 ; 3 - 6 - 8 - 10

(a) 7 - 14 - 16 - 20
(b) 10 - 20 - 22 - 26
(c) 9 - 18 - 20 - 24
(d) 1 - 2 - 4 - 6

Q21. If '+' means '−', '−' means '×', '×' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

188 ÷ 11 − 16 + 234 × 18 = ?

(a) 351
(b) 360
(c) 343
(d) 328

Q22. 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) KG - HD
(b) PL - MI
(c) HD - EA
(d) JF - HT

Q23. If the mode of the given frequency distribution is 37.5, then find the missing frequency p.

Class	Frequency
10-20	2
20-30	4
30-40	7
40-50	p
50-60	1

(a) 4
(b) 5
(c) 6
(d) 2

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Q24. The diagonals of a rhombus are 7 cm and 24 cm. Find the perimeter of the rhombus.

(a) 50 cm
(b) 25 cm
(c) 30 cm
(d) 40 cm

Q25. FVWQ is related to RHIC in a certain way based on the English alphabetical order. In the same way, BRSM is related to NDEY. To which of the given options is LBCW related, following the same logic?

(a) XINO
(b) XNOI
(c) XDSA
(d) XOKI

Q26. 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 boys – Gaurav, Himanshu, Ishan, and Kunal – have different heights.

Who is the shortest?

(I) Ishan is taller than Gaurav but shorter than Kunal.

(II) Himanshu is taller than Gaurav but shorter than Ishan.

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

Q27. In carbon dioxide (CO_2), 12 g of carbon (C) combines with 32 g of oxygen (O). If 36 g of carbon is used, how much oxygen will combine according to the law of constant proportions?

(a) 96 g
(b) 64 g
(c) 48 g
(d) 72 g

Q28. In 2025, which of the following institutions was designated as one of the Thematic Hubs (T-Hubs) under India's National Quantum Mission (NQM)?

(a) Indian Statistical Institute (ISI), Kolkata
(b) Indian Institute of Science (IISc), Bengaluru
(c) National Institute of Technology (NIT), Trichy
(d) Indian Institute of Technology (IIT), Kanpur

Q29. In a race, five participants, A, B, C, D, and E, finished with different timings. A finished ahead of B but behind E. C did not finish last. Only one participant finished later than D. E finished second. Who among them finished first?

(a) B
(b) C
(c) A
(d) D

Q30. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MOP FHI YAB RTU ?

(a) KMU
(b) KMJ
(c) KNM
(d) KMN

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Q31. 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 their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, 40, 42)

(1, 59, 63)

(a) (4, 54, 56)
(b) (8, 89, 90)
(c) (3, 41 45)
(d) (7, 74, 72)

Q32. 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) EG-JM
(b) BD-FI
(c) KM-PS
(d) FH-KN

Q33. 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:

Some whales are sharks.

Some sharks are dolphins.

Conclusions:

(I) No shark is a whale.

(II) Some whales are dolphins.

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

Q34. Each of A, B, C, D, S, T and U has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. No one has an exam before A. Only three people have their exams between A and U. Only one person has the exam between U and B. T has the exam on Wednesday. C has the exam on one of the days after S but on one of the days before D. On which day of the week does C have the exam?

(a) Saturday
(b) Tuesday
(c) Monday
(d) Thursday

Q35. A tap can fill a tank in 48 minutes, whereas another tap can empty it in 2 hours. If both the taps are opened at 11:40 A.M., at what time will the tank be filled?

(a) 1:35 P.M.
(b) 1:00 P.M.
(c) 1:30 P.M.
(d) 12:40 P.M.

Q36. Seven boxes, A, D, J, K, M, O and S are kept one over the other but not necessarily in the same order. Only one box is kept between K and J. D is kept immediately above O. Only one box is kept between D and K. A is kept immediately above M. D is kept immediately below M. J is placed on one of the positions below M. A is placed at the top. Which box is kept between K and J?

(a) D

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(b) A
(c) S
(d) O

Q37. In traditional grain storage, farmers often mix grains with neem leaves to prevent:
(a) Moisture absorption
(b) Germination
(c) Loss of nutrients
(d) Insect infestation

Q38. O is the centre of the circle and ABCD is a cyclic quadrilateral in which AB and DC are parallel. If angle DAB = 72°, then what is the ratio of angle ADC to obtuse angle DOB?
(a) 3:4
(b) 2:3
(c) 6:5
(d) 5:4

Q39. The price of a laptop was increased by 20% and then decreased by 30%. If the final price is Rs. 16,800, what was the original price (in Rs.)?
(a) 20000
(b) 25000
(c) 22000
(d) 18000

Q40. Kanika starts from point P and walks for 2 m towards the west. She takes a left turn and walks for 3 m. Then she takes a left turn again and walks for 2 m. Then she takes a right turn and walks for 2 m. Once more she takes a right turn and walks for 7 m. Then she takes a right turn and walks for 5 m and stops at point Q. Towards which direction should she walk in order to reach point P again? (All turns are 90-degree turns only unless specified.)
(a) South
(b) North
(c) East
(d) West

Q41. What should come in place of the question mark (?) in the given series based on the English alphabetical order?
RPE YWL FDS MKZ ?
(a) TGR
(b) TRG
(c) THY
(d) TGU

Q42. 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 : 126 :: 21 : Y
(a) X = 16, Y = 574
(b) X = 19, Y = 365
(c) X = 14, Y = 441
(d) X = 12, Y = 207

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Q43. Digestion of food by means of gastric glands and hydrochloric acid takes place in which part of the body?

(a) Large intestine
(b) Stomach
(c) Small intestine
(d) Pancreas

Q44. If a : b = p : q = 3 : 7, then what is the value of (2a + 3p)/(2b + 3q)?

(a) 6/11
(b) 2/5
(c) 3/7
(d) 4/9

Q45. A student's marks were incorrectly entered as 70 instead of 73. Due to this, the average marks of the class got decreased by 3/2. What is the number of students in the class?

(a) 10
(b) 2
(c) 12
(d) 8

Q46. Farooque starts from Point A and drives 26 km towards East. He then takes a right turn, drives 17 km, turns right and drives 32 km. He then takes a right turn and drives 22 km. He takes a final right turn, drives 6 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) 6 km to the South
(b) 5 km to the South
(c) 5 km to the North
(d) 6 km to the North

Q47. Which of the following is NOT an example of a single cell that constitutes a complete organism?

(a) Amoeba
(b) Chlamydomonas
(c) Paramoecium
(d) Cycas

Q48. KK 8 is related to NH -5 in a certain way. In the same way, VO 3 is related to YL -10. To which of the given options is RT 12 related, following the same logic?

(a) UR -1
(b) UQ -1
(c) VQ -1
(d) VQ -3

Q49. 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 select the most appropriate answer.

Question:

Among 5 poles, I, L, O, M and D each having a different height, which pole is the tallest?

Statements:

(I) L is taller than D. D is shorter than only one pole.

(II) I is shorter than O but taller than M.

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

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Q50. If ‘A’ stands for ‘÷’, ‘B’ stands for ‘x’, ‘C’ stands for ‘+’ and ‘D’ stands for ‘-’, what will come in place of the question mark (?) in the following equation?

8 D 46 A 46 B 40 C 47 = ?

(a) 16
(b) 17
(c) 13
(d) 15

Q51. What is the region around a magnet called, where the force of the magnet can be detected?

(a) Magnetic line
(b) Magnetic field
(c) Magnetic zone
(d) Magnetic pole

Q52. 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 pencils are swans.

No vultures are pencils.

Conclusions:

(I) No vultures are swans.

(II) Some swans are not vultures.

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

Q53. 5% of a number is what percentage of 2% of the same number?

(a) 71.43%
(b) 35.71%
(c) 250%
(d) 40%

Q54. Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) S W L V F E D N M B H I O P L M J U H B N V F R T Y G B V C D E W (Right)

How many letters are there in the English alphabetical series between the letter which is third from right end and the letter that is third from left end?

(a) 7
(b) 4
(c) 6
(d) 9

Q55. 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) TYX
(b) OTS
(c) FHJ
(d) CHG

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Q56. According to the Cartesian sign convention, the object distance (u) is taken as:

(a) Positive when the object is real
(b) Positive for all types of objects
(c) Negative when the object is real
(d) Zero for all mirrors

Q57. If the ratio of two numbers is 6 : 7, and their HCF is 9, then their LCM is:

(a) 378
(b) 408
(c) 417
(d) 364

Q58. Find the simplified value of the given expression.

$(2^3 \times 8^2)^3 \div (4^5 \times 16^2)/((32^2 \div 2^4)^2)$

(a) 2^(-2)
(b) 2^2
(c) 2^3
(d) 2^(-3)

Q59. The selling price of an article is increased by 30% and then two successive discounts of 10% each are allowed. Find the net change in the selling price.

(a) increases by 5.7%
(b) increases by 5.3%
(c) decreases by 5.3%
(d) decreases by 5.7%

Q60. P and Q are married to each other. P is the father of M. M is the husband of T. Q is the mother of L. L is the mother of O. How is L related to M?

(a) Wife
(b) Sister
(c) Brother
(d) Husband

Q61. In a certain code language, ‘DASH’ is coded as ‘8465’ and ‘HADE’ is coded as ‘5862’. What is the code for ‘E’ in the given code language?

(a) 2
(b) 6
(c) 5
(d) 8

Q62. Which Article of the Indian Constitution directs the State to take steps to organize Village Panchayats?

(a) Article 50
(b) Article 60
(c) Article 30
(d) Article 40

Q63. Refer to the following letter, symbol series and answer the question.

(Left) R T % & V B M > < Y P L + A # ^ & ? A S P I % + E # A @ Q B T G & + % C ? (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

(a) M
(b) Y
(c) Q
(d) B

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Q64. Find the ratio between the circumference of the circle and the perimeter of the sector, given that the sector's central angle measures 30° (π = 3.14).

(a) 1488 : 577
(b) 8184 : 775
(c) 1778 : 775
(d) 1884 : 757

Q65. Each vowel in the word CERTAIN 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. Which of the following letters will appear exactly twice in the group of letters thus formed?

(a) S
(b) Q
(c) J
(d) B

Q66. If the interest earned during the 2nd year on a certain sum is Rs. 6330, and the rate of interest is 20% per annum compounded annually, then the sum is:

(a) Rs. 25465
(b) Rs. 26160
(c) Rs. 26375
(d) Rs. 25850

Q67. What is the mode of the following data?

61, 71, 71, 87, 74, 67, 79, 83, 68, 88, 81, 80, 71, 73, 72, 87, 60, 86, 83, 68, 79, 84, 88, 65, 63

(a) 79
(b) 68
(c) 71
(d) 87

Q68. Each of G, H, I, J, K, L and M has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. L has an exam on Saturday. Only two persons have exam between G and L. Only one person has exam between G and I but I's exam is not on the first day. Only two persons have exams between J and I. K has exam immediately before J. H's exam is not on the last day. On which day does H have the exam?

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

Q69. A and B can do a piece of work in 10 days, B and C in 12 days and C and A in 15 days. If A, B and C work together, in how many days will they complete the work?

(a) 8 days
(b) 7 days
(c) 5 days
(d) 6 days

Q70. How is the valency of an element determined when the outermost shell is nearly full?

(a) By the total number of neutrons in the nucleus
(b) By the total number of protons in the nucleus
(c) By the total mass of the atom
(d) By the number of electrons needed to complete the octet

Q71. What should come in place of ? in the given series?

31 32 34 38 46 ?

(a) 62
(b) 63

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(c) 61
(d) 64

Q72. A sum of Rs. 6,820 is divided between Vikas, Tina and Sumit such that if their shares are decreased by Rs. 470, Rs. 110 and Rs. 540, respectively, then they are in the ratio of 4 : 9 : 7. What is the original share of Tina?
(a) Rs. 2,675
(b) Rs. 2,745
(c) Rs. 2,760
(d) Rs. 2,479

Q73. An article is sold at a profit of 64%. If the cost price is increased by Rs. 60 and the selling price is reduced by Rs. 65, then the profit would be 42.5%. What is the original cost price (in Rs.) of the article?
(a) 600
(b) 500
(c) 400
(d) 700

Q74. If the length of a rectangle is increased by 40%, by what percentage should the breadth be reduced to ensure that the area remains unchanged (round up to two decimal places)?
(a) 20.50%
(b) 22.22%
(c) 30.51%
(d) 28.57%

Q75. The sum of the present ages of Kamlesh and Prathmesh is 40 years. After 2 years, Kamlesh's age will be three times that of Prathmesh's age. Kamlesh's present age (in years) is:
(a) 21
(b) 32
(c) 31
(d) 23

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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