RRB ALP CBT-I Official Paper (Held On: 17 Feb, 2026 Shift 1) (Previous Year Paper)

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

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Practise under exam conditions, then review your answers after you submit.

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STAGE I (CBT I)

Q1. Simplify: 2 - [2 - 3{2 - (2 - 4)} ÷ 2]

(a) 2
(b) 4
(c) 6
(d) 8

Q2. Arman starts from Point A and drives 61 km towards west. He then takes a right turn, drives 58 km, turns right and drives 64 km. He then takes a right turn and drives 71 km. He takes a final right turn, drives 3 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 degrees turns only unless specified)

(a) 15 km to the south
(b) 13 km to the north
(c) 14 km to the south
(d) 12 km to the north

Q3. A and B can do a piece of work in 10 days, B and C in 15 days and C and A in 20 days, C alone can do the work in :

(a) 140 days
(b) 130 days
(c) 150 days
(d) 120 days

Q4. Refer to the following number, symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) ^ 7 + > 6 $ > 2 8 4 6 \ 2 & 9 ? + ^ # < % (Right)

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

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

Q5. Which of the following ratios is the greatest: 8 : 11, 5 : 7, 13 : 17, or 11 : 13?

(a) 11 : 13
(b) 5 : 7
(c) 8 : 11
(d) 13 : 17

Q6. 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:

All cricketers are doctors.

All cricketers are pilots.

Conclusions:

(I) Some doctors are pilots.

(II) All pilots are cricketers.

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

Q7. 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) Wife's father
(b) Wife's brother
(c) Father
(d) Brother

Q8. Five friends Varun, Ankit, Neha, Adya and Ruby are of different ages. Only Adya is older than Ankit. Exactly two people are younger than Ruby. Varun is younger than Neha. How many people among them are older than Neha?

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

Q9. When a sound is produced, what travels through the medium?

(a) The disturbance created by the sound source
(b) The particles of the medium
(c) Neither particles nor disturbance
(d) Both the particles and the disturbance

Q10. 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) VW−ZA
(b) MN−QR
(c) OP−ST
(d) EF−HL

Q11. From a point in the interior of an equilateral triangle, the length of the perpendiculars to the three sides are 18 cm, 30 cm and 39 cm respectively.

If the area of the triangle is m√k cm^2, then find the value of m-k^7.

(a) 333
(b) 336
(c) 363
(d) 306

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Q12. Which of the following is commonly known as the Indian bee?

(a) Apis florea
(b) Apis cerana indica
(c) Apis dorsata
(d) Apis mellifera

Q13. What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

195 + 5 x 44 - 6 ÷ 320 = ?

(a) 95
(b) 91
(c) 113
(d) 109

Q14. 24 is related to 74 following a certain logic. Following the same logic, 36 is related to 110. To which of the given options is 51 related, following the same logic?

(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.)

(a) 151
(b) 155
(c) 266
(d) 261

Q15. LOVE is related to QKYC in a certain way based on the English alphabetical order. In the same way, ILSG is related to NHVE. To which of the following is QNVT related, following the same logic?

(a) UKYR
(b) UKXQ
(c) VJXQ
(d) VJYR

Q16. Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

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

How many such symbols are there, each of which is immediately preceded by an odd number but not immediately followed by an even number?

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

Q17. Three pipes P, Q and R can fill a tank in 6 hours. After working at it together for 2 hours, R is closed, and P and Q can fill the remaining part in 7 hours. Find the number of hours taken by R alone to fill the tank.

(a) 14
(b) 18
(c) 12
(d) 16

Q18. During a sale, 40% of the goods are sold at a 44% profit, 25% of the remaining goods are sold at a 29% profit and the rest are sold at a 39% loss. If there is an overall profit of x%, then what is the value of x?

(a) 0.044
(b) 0.075
(c) 0.15
(d) 0.105

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Q19. In a certain code language,

'A + B' means 'A is the mother 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'.

How is M related to K if 'J × K − L ÷ M + N'?

(a) Wife's father
(b) Mother's husband
(c) Brother's daughter
(d) Father's brother

Q20. If the interest earned during the 2nd year on a certain sum is Rs. 8063, and the rate of interest is 10% per annum compounded annually, then the sum is:

(a) Rs. 73300
(b) Rs. 73705
(c) Rs. 74250
(d) Rs. 72750

Q21. Select the triad which follows the same pattern as that followed by the two triads given below. Both pairs follow the same pattern.

GLMT : MQQW

DQCL : JVGO

(a) FYZN : LDEQ
(b) HNEX : NSIB
(c) LGTM : RLWP
(d) IOYS : OTCV

Q22. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CLW WFQ QZK KTE ?

(a) ENT
(b) RDF
(c) ECD
(d) ENY

Q23. Each of K, L, U, G, A, B and W has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. K has an exam on Tuesday. G has exam on the day immediately before U. Only three people have exams between B and L. L has exam on the day immediately before G. U has an exam on Sunday. W has exam on the day immediately after K. How many people have exams before A?

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

Q24. Mohit starts from Point A and drives 24 km towards the east. He then takes a right turn, drives 23 km, turns right and drives 26 km. He then takes a right turn and drives 27 km. He takes a final right turn, drives 2 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) 2 km to the North
(b) 4 km to the South
(c) 3 km to the South
(d) 1 km to the North

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Q25. What is the mode of the following data?

55, 50, 48, 43, 55, 41, 54, 51, 41, 45, 53, 54, 52, 41, 49, 54, 41, 49

(a) 41
(b) 54
(c) 55
(d) 49

Q26. A toy is in the form of a solid cone having a radius of 5 cm and a height of 12 cm. It is mounted on a frustum of a solid cone, with the toy's vertex pointed upwards, and the frustum's smaller base having a radius of 5 cm. The larger base of the frustum has a radius of 22 cm. The slant height of the frustum is 32 cm. What is the total surface area (in cm^2) of the toy?

(a) 1314π
(b) 1413π
(c) 1341π
(d) 1431π

Q27. 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).

3 - 28
9 - 730

(a) 8 - 645
(b) 5 - 124
(c) 7 - 342
(d) 1 - 2

Q28. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

29 - 6 + 19 × 19 ÷ 8 = ?

(a) 25
(b) 28
(c) 29
(d) 27

Q29. In a certain code language, 'CASH' is coded as '1937' and 'EAHS' is coded as '9163'. What is the code for 'E' in the given code language?

(a) 3
(b) 9
(c) 1
(d) 6

Q30. 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 conclusion(s) logically follow(s) from the statements.

Statements:

All speakers are radios.

No radio is a television.

Conclusions:

(I) No speaker is a television.

(II) Some televisions are radios.

(a) Only conclusion (I) follows.
(b) Both conclusions (I) and (II) follow.

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(c) Neither conclusion (I) nor (II) follows.
(d) Only conclusion (II) follows.

Q31. What sum (in Rs.) will earn an interest of Rs. 480 in 3 years at 5% simple interest per year?
(a) 3200
(b) 3400
(c) 3350
(d) 3000

Q32. What should come in place of the question mark (?) in the given series?
64 68 80 84 96 100 112 ?
(a) 124
(b) 118
(c) 116
(d) 120

Q33. Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.
(Left) A Q D F H S I C X Z A Q D F H G U Z A O G U K (Right)
How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?
(a) Three
(b) One
(c) None
(d) Two

Q34. On reaching an organ or tissue, arteries divide into smaller and smaller vessels. The smallest vessels have walls that are one cell thick and are called:
(a) arteries
(b) capillaries
(c) veins
(d) arterioles

Q35. Each of Akarsh, Bindu, Chetu, Divyansh, Ekam, Fatima and Gudiya has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only one person has exam after Ekam. Only two persons have exam before Akarsh. Bindu has exam immediately before Divyansh and only one person has exam between Divyansh and Gudiya. Gudiya has exam on Sunday. Chetu's exam is not on the first day of the week. On which day does Chetu have the exam?
(a) Friday
(b) Tuesday
(c) Wednesday
(d) Monday

Q36. This question is based on the five, three-digit numbers given below.
(Left) 629 574 315 681 459 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?
(a) 11
(b) 10
(c) 12
(d) 13

Q37. Each vowel in the word CRUMBLE 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 be third from the left in the new group of letters thus formed?
(a) A

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(b) Q
(c) L
(d) V

Q38. A machine does 1000 J of work in 5 seconds. Its power is:
(a) 100 W
(b) 500 W
(c) 200 W
(d) 50 W

Q39. A speedboat, whose speed is 16 km/hr in still water, travels 40 km downstream and returns in a total of 6 hours 24 minutes. What is the speed of the stream (in km/hr)?
(a) 3√7
(b) 2√14
(c) 3√14
(d) 2√7

Q40. Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
ALI : BIE
IIK : JFG
(a) FQO : FNJ
(b) IPN : IMI
(c) BFK : BBG
(d) CJE : DGA

Q41. Each letter in the word VISION is changed to the letter immediately following it in the English alphabetical order, and then all the letters thus formed are arranged in reverse alphabetical order. Which letter will be fourth from the left?
(a) U
(b) W
(c) O
(d) T

Q42. If mean of 10 observations x1, x2, … x10 is 20, then the value of ∑_(i=1)^(10) ((3x_i-4)/5) is:
(a) 113
(b) 111
(c) 112
(d) 110

Q43. In triangle PQR, points M and N lie on sides PQ and PR respectively, such that MN is parallel to QR.
If PM : QM = 4 : 7 and area of triangle PMN = 36 m², find the area of trapezium MQRN.
(a) 236.25 m²
(b) 216.36 m2
(c) 222.86 m2
(d) 248.15 m2

Q44. 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 – Arvind, Bipin, Chetak, and Divyesh – are seated in a row facing south.
Who is seated second from the left end?
(I) Bipin is seated immediately to the right of Arvind.
(II) Divyesh is seated at the extreme right end.
(a) Data in Statement I alone is sufficient to answer the question while data in Statement II is not
(b) Data in both statements I and II together are NOT sufficient to answer the question

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

Q45. In this question, 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.

Among the five poles—R, A, M, E, and N—each having a different height, which pole is the shortest?

(I) N is taller than M

(II) E is taller than N.R is only shorter than one pole

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

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

(c) Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

(d) Both statements I and II together are NOT sufficient to answer the question

Q46. Six friends D, E, F, G, J and K are sitting in a straight line facing north. No one sits to the right of K. Only one person sits between F and K. Only three people sit between K and J. G sits at some place to the left of D but at some place to the right of E. How many people sit between E and D?

(a) Three

(b) Four

(c) Two

(d) One

Q47. Anand purchased an item and spent Rs. 175 on its repair. He then sold it to Bharath at a profit of 25%. Later, Bharath sold the item for Rs. 3,402, incurring a loss of 58%. What was Anand's cost (in Rs.) of the item just before selling it to Bharath?

(a) 6480

(b) 6478

(c) 6481

(d) 6483

Q48. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DHS HLW LPA PTE ?

(a) TXS

(b) TCD

(c) TXI

(d) TIX

Q49. A shopkeeper sells an item for Rs. 324.3 after giving two successive discounts of 60% and 31% on its marked price. Had he not given any discount, he would have earned a profit of 25%. What is the cost price (in Rs.) of the item?

(a) 947

(b) 917

(c) 940

(d) 968

Q50. If $4x^2 + 1/(4x^2) = 14$, what is the positive value of $x + 1/4x$?

(a) 1

(b) 4

(c) 2

(d) 8

Q51. 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)

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(18, 5, 85)

(11, 7, 72)

(a) (15, 6, 85)
(b) (10, 8, 85)
(c) (8, 4, 32)
(d) (9, 7, 68)

Q52. Which of the following functions of mitochondria makes it a powerhouse of the cell?

(a) Generation of ATP
(b) Generation of heat
(c) Generation of enzymes
(d) Generation of NADPH

Q53. Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) F J A F Y H J I D X Q O B C O P O G F I O G (Right)

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

(a) 5
(b) 4
(c) 6
(d) 3

Q54. 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) OL - JG
(b) UR - PM
(c) SP - LJ
(d) LI - GD

Q55. In a certain code language, ‘SONG’ is coded as ‘9785’ and ‘GONE’ is coded as ‘5867’. What is the code for ‘E’ in the given code language?

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

Q56. L, K, H, M, Z and U 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. L lives immediately below H. Z lives immediately below U. Only three people live between M and Z. K does not live on the topmost floor. H does not live on any floors below U. How many people live between H and K?

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

Q57. The reaction of sodium hydrogen carbonate upon heating produces:

(a) Sodium hydroxide, oxygen, and carbon monoxide at high temperature
(b) Sodium carbonate, water, and carbon dioxide gas during cooking
(c) Sodium chloride, water, and hydrogen gas under normal heating
(d) Sodium sulfate, hydrogen, and carbon dioxide when strongly heated

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Q58. 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?

26 A 2 C 14 B 4 D 18 = ?

(a) 62
(b) 44
(c) 70
(d) 51

Q59. A student's marks were incorrectly entered as 32 instead of 96. Due to this, the average marks of the class got decreased by 4/3. What is the number of students in the class?

(a) 48
(b) 54
(c) 45
(d) 51

Q60. A, B, C, D, E, F and G live on seven 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 7. Only two persons live above C. Only two persons live between C and E. B lives immediately above E. D lives immediately below F. A does not live on the lowermost floor. On which floor number does A live?

(a) Floor number 3
(b) Floor number 4
(c) Floor number 2
(d) Floor number 6

Q61. Which of the following cities hosted World Para Athletics Championships 2025?

(a) New Delhi
(b) Mumbai
(c) Jaipur
(d) Bengaluru

Q62. What should come in place of ? in the given series?

36 40 46 50 56 ?

(a) 60
(b) 61
(c) 62
(d) 59

Q63. What is the overall percentage increase in a number if it is increased successively by 10%, 20%, and 15%?

(a) 51.8%
(b) 45.8%
(c) 41.8%
(d) 55.8%

Q64. 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) AW - KP
(b) AC-DF
(c) PR- SU
(d) GI-JL

Q65. The simplified value of (cbrt2744/4√4096) × 4/42 × 84 is

(a) 15
(b) 13
(c) 22

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(d) 14

Q66. A sum of Rs. 5,890 is divided between Alok, Gita and Suresh such that if their shares are decreased by Rs. 320, Rs. 590 and Rs. 750, respectively, then they are in the ratio of 9 : 3 : 6. What is the original share of Gita?

(a) Rs. 1,209
(b) Rs. 1,295
(c) Rs. 1,157
(d) Rs. 1,380

Q67. There are 2,100 members in a local group. In 2019, the number of members increased by 15%. In 2020, however, the number decreased by 20%. What is the total number of members after these two changes?

(a) 1836
(b) 1905
(c) 1932
(d) 1754

Q68. Why is a colloid considered stable?

(a) Its particles react chemically with the dispersion medium.
(b) Its particles can be separated easily by filtration.
(c) Its particles do not settle down when left undisturbed.
(d) Its particles dissolve completely in the dispersion medium.

Q69. A racer car covers the first 160 km at a speed of 80 km/hr, another 160 km at 120 km/hr and the last 160 km at 80 km/hr. Find out average speed of the racer car for the entire journey.

(a) 100 km/hr
(b) 95 km/hr
(c) 90 km/hr
(d) 105 km/hr

Q70. D, E, F, G, K, L, and M are sitting around a circular table, facing the centre of the table. F sits fourth to the left of E. M sits fourth to the right of G. Only two people sit between E and G when counted from the left of E. D is not an immediate neighbour of M or E. K is not an immediate neighbour of D.

Who sits third to the right of L?

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

Q71. If the radius of the base of a right circular cylinder is decreased by 19% and its height is increased by 129%, then what is the percentage increase in its volume? [Give your answer correct to the nearest integer value.]

(a) 36%
(b) 28%
(c) 66%
(d) 50%

Q72. The marked price of an item is 10% higher than the cost price and a discount of 10% is given on the marked price. What is the percentage gain or loss to the business owner in this sale?

(a) 2% gain
(b) 1% gain
(c) 1% loss
(d) 2% loss

Q73. Which of the following statements correctly defines refraction of light?

(a) Bending of light when it falls on a mirror
(b) Change in direction of light when it passes from one medium to another
(c) Scattering of light by air molecules

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(d) Splitting of light into seven colours

Q74. A 12 m tall building casts a shadow of 8 m at a certain time of the day. At the same time, a vertical pole with a flag on top casts a shadow of 15 m. If the height of the flag alone is 3 m, find the height of the pole.

(a) 21 m
(b) 17.5 m
(c) 19.5 m
(d) 18 m

Q75. Which of the following is the correct method to change any provision of the Constitution of India?

(a) Executive Order
(b) Supreme Court Approval
(c) Presidential Ordinance
(d) Constitutional Amendment

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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