सत्यमेव जयते

रेलवे भर्ती बोर्ड | RAILWAY RECRUITMENT BOARD

सीईएन ०१/२०२६ सहायक लोको पायलट (एएलपी) के पद पर भर्ती

CEN 01/2026 Recruitment of Assistant Loco Pilot (ALP)

Test Date	04/11/2026
Test Time	4:00 PM - 5:00 PM
Subject	RRB ALP 2026 CBT 1

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **RRB ALP**

Q.1 **FAME is related to NIUM in a certain way based on the English alphabetical order. In the same way, LGSK is related to TOAS. To which of the given options is JEQI related, following the same logic?**

Ans A). REQS B). RMYQ C). RQWE D). RMYU

Correct Answer: B

Q.2 **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?**
8 B 2 D 14 A 7 C 9 = ? D 3

Ans A). 28 B). 24 C). 26 D). 22

Correct Answer: C

Q.3 **This question is based on the following words.**

COG LIT HER LET

In each of the words, each vowel is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

Ans A). Four B). One C). Two D). Three

Correct Answer: B

Q.4 **Which of the following sequences CORRECTLY shows the hierarchical order in biological classification from broadest to most specific?**

Ans A). Kingdom, Phylum, Class, Family, Order, Genus, Species B). Kingdom, Class, Phylum, Order, Family, Genus, Species
C). Kingdom, Phylum, Class, Order, Family, Genus, Species D). Species, Genus, Family, Order, Class, Phylum, Kingdom

Correct Answer: C

Q.5 **A cricketer scored 30, 42, 28, 35, 50, 44, 31, 39, 40, and 41 runs in his ten matches. What is his average score (in runs) per match?**

Ans A). 38 B). 40 C). 36 D). 42

Correct Answer: A

Q.6 **On a circular path of 1292 m, Sujata and Anjali start walking from the same point but in the opposite directions with speeds of 3.7 m/s and X m/sec, respectively. They will meet for the first time after 136 seconds. Find the value of X.**

Ans A). 9.4 B). 0.4 C). 5.8 D). 11.3

Correct Answer: C

Q.7 **This question is based on the following words.**

COG DID LAM JEW

In each of the words, each vowel 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. In how many letter clusters thus formed, will no vowel appear?

Ans A). Four B). Three C). One D). Two

Correct Answer: B

Q.8 **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?**
210 A 5 C 38 D 19 B 3 = ?

Ans A). 25 B). 23 C). 21 D). 24

Correct Answer: B

Q.9 **In a moderately skewed distribution, the mean and median are in the ratio 5:4. If the mode is 8 less than the median, what is the value of the mode?**

Ans A). 10 B). 12 C). 14 D). 8

Correct Answer: D

Q.10 **Six boxes A, B, F, G, H and I are kept one over the other but not necessarily in the same order. F is kept second from the bottom. Only two boxes are kept between F and I. H is kept at one of the positions below F. Only A is kept between I and G. How many boxes are kept between B and H?**

Ans A). Two B). Three C). Four D). One

Correct Answer: C

Q.11 **A digital polling agency reports that in a municipal election, Candidate X secured 65% of the total valid votes, while Candidate Y secured 35%. If 13,000 valid votes were cast, then by how many votes did Candidate X lead Candidate Y?**

Ans A). 4200 B). 3500 C). 3900 D). 2600

Correct Answer: C

Q.12 **An investor deposits ₹15,000 in a scheme that offers 7% compound interest for the first year and 8% compound interest for the second year, compounded annually. What is the total amount at the end of 2 years (in ₹)?**

Ans A). 17,334 B). 17,400 C). 17,520 D). 17,200

Correct Answer: A

Q.13 **In big halls, sound lingers because it repeatedly reflects off walls. This lasting effect is reduced using sound-absorbing materials. What is this phenomenon called?**

Ans A). Echo B). Noise C). Resonance D). Reverberation

Correct Answer: D

Q.14 **Each of A, B, J, U, R, E and S has holiday on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have holiday before J. Only one person has holiday after B. Only three people have holiday between J and R. Only one person has holiday between A and E. U has holiday immediately before A. Who among the following has holiday on Friday?**

Ans A). S B). E C). A D). B

Correct Answer: A

Q.15 **The ability of carbon to form chains gives rise to a homologous series of compounds in which the same functional group is attached to carbon chains of different lengths, is known as:**

Ans A). addition B). substitution C). elimination D). catenation

Correct Answer: D

Q.16 **Find the value of $(\sin^4\theta - \cos^4\theta + 1)\sec^2\theta - 2\tan^2\theta$.**

Ans A). 3 B). 0 C). 5 D). 2

Correct Answer: B

Q.17 **A shopkeeper buys 41 dozen articles at ₹600 per dozen. He sells each article for ₹55. What is his profit percentage?**

Ans A). 9% B). 13% C). 11% D). 10%

Correct Answer: D

Q.18 **Which experiment would best demonstrate that sound waves are longitudinal in nature?**

Ans A). Measuring pitch and loudness of a sound with different instruments.

B). Observing the motion of particles in a slinky when compressions and rarefactions are created.

C). Using water waves in a tank to observe crests and troughs. D). Reflecting light off a mirror and measuring the angle of incidence.

Correct Answer: B

Q.19 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
CGH 6, ZLE 19, WQB 32, TVY 45, ?

Ans A). RBV 56 B). QAV 58 C). QBU 58 D). PCU 56

Correct Answer: B

Q.20 **A car's radiator should contain a solution of 47% antifreeze. A motorist has 15 litres of 28% antifreeze. How many litres (rounded off to 2 decimal places) of 65% antifreeze liquid should he add to his solution to produce a 47% antifreeze?**

Ans A). 18.64 B). 20.88 C). 17.21 D). 15.83

Correct Answer: D

Q.21 **The position(s) of how many letters will remain unchanged if each letter in the word READING is arranged in the English alphabetical order?**

Ans A). THREE B). ONE C). ZERO D). TWO

Correct Answer: D

Q.22 If $12\sin y + \cos y = \sqrt{11}\sin y$, find the value of $\tan y$.

Ans A). $\frac{-12-\sqrt{11}}{138}$ B). $\frac{-12-\sqrt{11}}{143}$ C). $\frac{-13-\sqrt{11}}{133}$ D). $\frac{-12-\sqrt{11}}{133}$

Correct Answer: D

Q.23 **Seven people, R, S, T, U, V, W and X are sitting in a straight row, facing north. Only two people sit to the left of R. Only 3 people sit between R and U. W sits third to the left of V. V is not an immediate neighbour of R. T sits second to the right of S. Who sits at the extreme left end of the line?**

Ans A). W B). S C). X D). V

Correct Answer: C

Q.24 **Each letter in the word JUMBLED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is fourth from the left and the one that is third from the right in the new letter-cluster thus formed?**

Ans A). 0 B). 4 C). 1 D). 2

Correct Answer: C

Q.25 **What should come in place of the '?' in the given series?**

37,44,58,79,107, ?

Ans A). 141 B). 144 C). 143 D). 142

Correct Answer: D

Q.26 **Refer to the following letter series and answer the question**
(Left) E H K N F D J S V I Z A M O G L W Y Q X U P R B (Right)

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

Ans A). One B). Three C). None D). Two

Correct Answer: D

Q.27 **In chain isomerism, isomers differ in:**

Ans A). The arrangement of the carbon skeleton B). The number of carbon atoms C). The position of the functional group D). The type of functional group

Correct Answer: A

Q.28 **The curved surface area and the total surface area of a cylinder are in the ratio 1 : 2. If the total surface area of the right cylinder is 616 sq. cm, then its volume is (take $\pi = \frac{22}{7}$):**

Ans A). $1190\ cm^3$ B). $1078\ cm^3$ C). $1120\ cm^3$ D). $1088\ cm^3$

Correct Answer: B

Q.29 In a certain code language, 'NSCG' is coded as '86' and 'WEOP' is coded as '118'. What is the code for 'QAYL' in the given code language?

Ans A). 120 B). 110 C). 116 D). 113

Correct Answer: B

Q.30 YWAZ is related to WUYX in a certain way based on the English alphabetical order. In the same way, ECGF is related to CAED. To which of the following is VTXW related, following the same logic?

Ans A). TRVU B). TSUA C). TRUU D). TQUU

Correct Answer: A

Q.31 What should come in place of the '?' in the given series?

5 18 33 50 69 ?

Ans A). 90 B). 87 C). 85 D). 92

Correct Answer: A

Q.32 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.

Question:
Among 5 sticks, F, B, C, Y and N, each having a different height, which stick is the shortest?

Statements:
(I) N is taller than C.
(II) Y is taller than N. F is only shorter than one stick.

Ans 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.

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.

Correct Answer: B

Q.33 Shini starts from Point A and drives 11 km towards South. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 12 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 degrees turns only unless specified)

Ans A). 6 km to the west B). 5 km to the west C). 7 km to the west D). 4 km to the west

Correct Answer: B

Q.34 Each of C, D, E, F, G, X and Y has interview on a different day of a week starting from Monday and ending on Sunday of the same week. Only four people have interview after E. Only one person has interview after F. Only three people have interview between E and G. Only one person has interview between Y and X. D has interview immediately before Y. How many people have interview between C and Y?

Ans A). Four B). One C). Three D). Two

Correct Answer: D

Q.35 Seven people, A, B, C, I, J, K and L are sitting in a row, facing north.
Only two people sit between B and A. Only L sits to the right of I. Only one person sits between A and I. K sits at some place to the right of J but at some place to the left of C. How many people sit between C and J?

Ans A). Four B). Two C). One D). Three

Correct Answer: B

Q.36 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 is the letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans A). ILO B). PSV C). GIM D). RUX

Correct Answer: C

Q.37 If ₹5,000 is placed in a bank for 1 year at 6% interest compounded half-yearly, what is the total amount at the end of the year?

Ans A). ₹5,360.50 B). ₹5,300.50 C). ₹5,318.50 D). ₹5,304.50

Correct Answer: D

Q.38 A sum of money is divided among A, B, and C in the ratio 4:5:6. If C receives ₹2,400, how much does B receive?

Ans A). ₹1,600 B). ₹2,200 C). ₹1,800 D). ₹2,000

Correct Answer: D

Q.39 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 643217, then what will be the sum of the first two digits from the left in the new number thus formed?

Ans A). 12 B). 18 C). 14 D). 16

Correct Answer: C

Q.40 In a Δ PQR, PS is the bisector of ∠P, meeting side QR at S. If PQ = 7.2 cm, QR = 7 cm, and QS = 3.6 cm, find PR.

Ans A). 4.6 cm B). 3.5 cm C). 5.7 cm D). 6.8 cm

Correct Answer: D

Q.41 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?
70 C 225 A 5 B 2 D 103 = ?

Ans A). 57 B). 59 C). 58 D). 55

Correct Answer: A

Q.42 If a + b + c = 0, then find the value of $\frac{a^2}{a^2 - bc} + \frac{b^2}{b^2 - ca} + \frac{c^2}{c^2 - ab}$.

Ans A). 4 B). 0 C). 2 D). 6

Correct Answer: C

Q.43 The position(s) of how many letters will remain unchanged if each letter in the word OARFISH is arranged in the English alphabetical order?

Ans A). ONE B). ZERO C). THREE D). TWO

Correct Answer: B

Q.44 Find the fourth proportional to 25, 40, and 60.

Ans A). 86 B). 98 C). 84 D). 96

Correct Answer: D

Q.45 Eight friends, H, I, J, K, L, M, N and O, are sitting around a circular table, facing the center.
L sits second to the left of N.
O sits third to the left of L.
K sits third to the right of J.
H is an immediate neighbor of L and M.

What is the position of L with respect to I?

Ans A). Second to the left B). Fourth to the right C). Third to the right D). Third to the left

Correct Answer: D

Q.46 A person invested ₹56,000 at a rate of 10% per annum simple interest for 3 years. Find the amount (in ₹) he will receive after 3 years.

Ans A). 71,800 B). 72,800 C). 70,800 D). 73,800

Correct Answer: B

Q.47 What is the small outgrowth formed on the body of a hydra due to repeated cell division called?

Ans A). Offshoot B). Spore C). Node D). Bud

Correct Answer: D

Q.48 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.
(Left) P K O C N E Z U L B N U C Z M T U Y B E E S (Right)
How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

Ans A). 7 B). 6 C). 5 D). 4

Correct Answer: C

Q.49 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operations on the 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)
18 – 23 – 37 – 58 ; 13 – 18 – 32 – 53

Ans A). 11 – 16 – 30 – 43 B). 23 – 28 – 42 – 60 C). 21 – 26 – 40 – 61 D). 15 – 20 – 32 – 53

Correct Answer: C

Q.50 **In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol are to be followed directly as given in the table.**

Number/symbol	#	6	+	7	5	9	8	$	!	3
Code	P	V	F	Q	Y	S	X	W	C	H

Conditions –
(i) If the first element is a symbol and the last element is a number, interchange the codes of the first and the last elements.
(ii) If the second and third elements are odd numbers, code the third element as the code of the second element.
(iii) If the fourth element is a symbol and the fifth element is a number, code both elements as ©.

What is the code for the following group of number-symbols?
 # 6 + 7 5

Ans A). MVFQY B). PYFQY C). YVFQP D). PVFQY

Correct Answer: C

Q.51 **If a shopkeeper wants the selling price after a 20% discount to increase from ₹600 to ₹750, by what percentage should the marked price be increased?**

Ans A). 20% B). 12.5% C). 15% D). 25%

Correct Answer: D

Q.52 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
YXA 65 DCF 75 IHK 85 NMP 95 ?

Ans A). SUX 104 B). SRU 105 C). SST 105 D). SQT 104

Correct Answer: B

Q.53 **15 is related to 48 following a certain logic. Following the same logic, 21 is related to 66. To which of the following is 28 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.)

Ans A). 95 B). 92 C). 83 D). 87

Correct Answer: D

Q.54 **In a circle, a chord of length 80 cm is at a distance of 9 cm from the centre. Find the diameter of the circle.**

Ans A). 88 cm B). 82 cm C). 85 cm D). 86 cm

Correct Answer: B

Q.55 **Raghu starts from point A and drives 7km towards North. He then takes a right turn and drives 5km. He then takes a left turn and drives 9km, and again takes a right turn and drives 8km. He takes a final right turn and drives 16km and stops at point B. 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.)**

Ans A). 13km West B). 11km North C). 14km East D). 12km South

Correct Answer: A

Q.56 Find the value of $48.3 - [7 + \frac{1}{7 + \frac{1}{7}}] - [3 + \frac{1}{3 + \frac{1}{3}}]$

Ans A). 38.30 B). 31.75 C). 37.86 D). 46.18

Correct Answer: C

Q.57 **Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.**
(Left) % M % A I $ G % J * O @ V U $ H # % £ © A & (Right)
How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

Ans A). 3 B). 0 C). 1 D). 2

Correct Answer: C

Q.58 **17 is related to 36 following a certain logic. Following the same logic, 22 is related to 46. To which of the following is 25 related, following the same logic?**
(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.)

Ans A). 48 B). 45 C). 52 D). 56

Correct Answer: C

Q.59 Which of the following numbers is divisible by both 11 and 24?

Ans A). 16811 B). 17688 C). 19640 D). 19408

Correct Answer: B

Q.60 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.

Q. Five friends – Laksh, Myra, Nivan, Ojas and Prisha – are sitting around a circular table facing the centre. Who is sitting immediately to the right of Ojas?

I. Nivan sits immediately to the left of Ojas.
II. Laksh sits immediately to the left of Nivan, and Myra sits immediately to the left of Laksh.

Ans A). Both statements I and II together are NOT sufficient to answer the question

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

Correct Answer: C

Q.61 During an experiment, a physicist observes that a certain material vibrates at 18 Hz when struck. Which type of sound does this vibration generate, and how would it be perceived by the human ear?

Ans A). Infrasonic; it would not be heard by humans B). Audible; it would be clearly heard C). Ultrasonic; it would be heard faintly

D). Audible; it would be felt not heard

Correct Answer: A

Q.62 What should come in place of '?' in the given series?
61 62 64 68 76 ?

Ans A). 95 B). 92 C). 94 D). 90

Correct Answer: B

Q.63 How does bile juice help in the digestion process in the small intestine?

Ans A). It digests proteins into amino acids B). It secretes digestive enzymes C). It absorbs nutrients into blood vessels

D). It emulsifies fats into smaller globules

Correct Answer: D

Q.64 Seven boxes, C, D, E, F, X, Y and Z, are kept one over the other, but not necessarily in the same order.
Only Z is kept above D. Only two boxes are kept between D and C. Only X is kept below Y. F is not kept immediately above C.
How many boxes are kept between E and X?

Ans A). Two B). Three C). One D). Four

Correct Answer: A

Q.65 A tap fills a tank in 9 hours. Another tap empties the full tank in 18 hours. How long (in hours) will it take to fill half of the tank, if the tank is empty initially and both the taps are open together?

Ans A). 10 B). 9 C). 19 D). 18

Correct Answer: B

Q.66 This question is based on the five, three-digit numbers given below.
(Left) 398 635 586 478 659 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

Ans A). 10 B). 11 C). 8 D). 13

Correct Answer: B

Q.67 A dress is bought for ₹500 and sold at a loss of 10%. What is the selling price?

Ans A). ₹480 B). ₹400 C). ₹470 D). ₹450

Correct Answer: D

Q.68 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HDH−JFJ
PLP−RNR

Ans A). UPS−WSW B). UQU−WSW C). UQU−VSV D). UPS−VRV

Correct Answer: B

Q.69 A cylindrical pillar is 84 cm in diameter and 25 m in height. Find the cost of painting the curved surface of the pillar at the rate of ₹25 per m^2.

$\left(\text{Take } \pi = \frac{22}{7}\right)$

Ans A). ₹1,618 B). ₹1,698 C). ₹1,650 D). ₹1,617

Correct Answer: C

Q.70 Akshay, Badal, Chris, Daksh and Elizabeth have different heights. Only three people have heights between Daksh and Chris. Akshay is taller than Elizabeth but shorter than Badal. Daksh is taller than Chris. How many people are taller than Elizabeth?

Ans A). Three B). Four C). Two D). One

Correct Answer: A

Q.71 The sum of the present ages of Johnny and Billy is 65 years. Four years ago from now, Billy's age was half of Johnny's then age. How old (in years) is Johnny at present?

Ans A). 42 B). 50 C). 49 D). 41

Correct Answer: A

Q.72 In a certain code language, 'FROM' is coded as '6429' and 'FOUR' is coded as '9324'. What is the code for 'U' in that language?

Ans A). 3 B). 2 C). 4 D). 6

Correct Answer: A

Q.73 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 is the one that 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)

Ans A). WV−SR B). AZ−VX C). KJ−GF D). ML−IH

Correct Answer: B

Q.74 Given that $33^{0.65} = x$, $33^{0.84} = y$ and $x^z = y^5$, then the value of z is closest to:

Ans A). 9.97 B). 4.53 C). 6.46 D). 8.95

Correct Answer: C

Q.75 In a certain code language, 'wind whistles loud' is coded as 'hy gb ec' and 'dance with wind' is coded as 'gb ut rn'. How is 'wind' coded in the given language?

Ans A). ut B). rn C). gb D). hy

Correct Answer: C

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