



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
सी ई एन - ०१/२०२५ - CEN - 01/2025
सहायक लोको पायलट की भर्ती/ Recruitment of Assistant Loco Pilot



Test Date	11/03/2026
Test Time	9:00 AM - 10:00 AM
Subject	RRB ALP 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 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.

Ans 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

Correct Answer: A

Q.2 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?

Ans A) More than three

B) One

C) Three

D) Two

Correct Answer: A

Q.3 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.

Ans A) decreases by 5.7%

B) increases by 5.3%

C) decreases by 5.3%

D) increases by 5.7%

Correct Answer: B

Q.4 A shopkeeper bought six identical mobile phones for ₹ 30000, and sold two of them for ₹ 28000. Find his gain percentage.

Ans A) 183%

B) 180%

C) 181%

D) 178%

Correct Answer: B

Q.5 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?

Ans A) V

B) L

C) K

D) S

Correct Answer: A

Q.6 If 'A' stands for '+', 'B' stands for 'x', '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 = ?

Ans A) 5

B) 20

C) 34

D) 11

Correct Answer: D

Q.7 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

Ans A) X = 16, Y = 574 B) X = 19, Y = 365 C) X = 12, Y = 207 D) X = 14, Y = 441

Correct Answer: C

Q.8 O is the centre of the circle and ABCD is a cyclic quadrilateral in which AB and DC are parallel. If $\angle DAB = 72^\circ$, then what is the ratio of $\angle ADC$ to obtuse $\angle DOB$?

Ans A) 2:3 B) 3:4 C) 6:5 D) 5:4

Correct Answer: B

Q.9 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?

Ans A) VQ -3 B) UR -1 C) UQ -1 D) VQ -1

Correct Answer: C

Q.10 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.

Ans A) 15 B) 17 C) 18 D) 16

Correct Answer: D

Q.11 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.

Ans A) Only conclusion (I) follows. B) Only conclusion (II) follows. C) Neither conclusion (I) nor (II) follows.
D) Both conclusions (I) and (II) follow.

Correct Answer: B

Q.12 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
MOP FHI YAB RTU ?

Ans A) KMN B) KNM C) KMU D) KMJ

Correct Answer: A

Q.13 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)?

Ans A) 30.51% B) 22.22% C) 20.50% D) 28.57%

Correct Answer: D

Q.14 The diagonals of a rhombus are 7 cm and 24 cm. Find the perimeter of the rhombus.

Ans A) 40 cm B) 25 cm C) 50 cm D) 30 cm

Correct Answer: C

Q.15 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)

Ans A) (3, 41, 45) B) (8, 89, 90) C) (7, 74, 72) D) (4, 54, 56)

Correct Answer: C

Q.16 If the ratio of two numbers is 6 : 7, and their HCF is 9, then their LCM is:	Ans A) 417	B) 408	C) 378	D) 364	Correct Answer: C	
Q.17 In traditional grain storage, farmers often mix grains with neem leaves to prevent:	Ans A) Insect infestation	B) Loss of nutrients	C) Germination	D) Moisture absorption	Correct Answer: A	
Q.18 The refractive index of water is 1.33. What does this value mean?	Ans A) The speed of light in air is 1.33 times the speed of light in water.	B) The speed of light in water and air is the same.		C) Light travels 1.33 times slower in air than in water.	D) Light travels 1.33 times faster in water than in air.	Correct Answer: A
Q.19 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?	Ans A) 6	B) 7	C) 4	D) 9	Correct Answer: B	
Q.20 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.)	Ans A) HD - EA	B) KG - HD	C) PL - MI	D) JF - HT	Correct Answer: D	
Q.21 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?	Ans A) 1:35 P.M.	B) 1:00 P.M.	C) 1:30 P.M.	D) 12:40 P.M.	Correct Answer: B	
Q.22 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?	Ans A) 4	B) 2	C) 3	D) 5	Correct Answer: C	
Q.23 The price of a laptop was increased by 20% and then decreased by 30%. If the final price is ₹16,800, what was the original price (in ₹)?	Ans A) 25,000	B) 20,000	C) 18,000	D) 22,000	Correct Answer: B	
Q.24 A sum of ₹6,820 is divided between Vikas, Tina and Sumit such that if their shares are decreased by ₹470, ₹110 and ₹540, respectively, then they are in the ratio of 4 : 9 : 7. What is the original share of Tina?	Ans A) ₹2,675	B) ₹2,760	C) ₹2,745	D) ₹2,479	Correct Answer: A	
Q.25 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:	Ans A) 31	B) 21	C) 32	D) 23	Correct Answer: A	
Q.26 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?	Ans A) Tuesday	B) Saturday	C) Thursday	D) Monday	Correct Answer: C	
Q.27 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.)	Ans A) BD-FI	B) KM-PS	C) FH-KN	D) EG-JM	Correct Answer: A	

Q.28 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

Ans A) 9 - 18 - 20 - 24

B) 1 - 2 - 4 - 6

C) 10 - 20 - 22 - 26

D) 7 - 14 - 16 - 20

Correct Answer: B

Q.29 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?

Ans A) B

B) Y

C) M

D) Q

Correct Answer: D

Q.30 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?

Ans A) Second to the right

B) Immediate right

C) Second to the left

D) Third to the left

Correct Answer: D

Q.31 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.)

Ans A) North

B) West

C) South

D) East

Correct Answer: D

Q.32 What should come in place of the question mark (?) in the given series?
82 85 95 112 136 ?

Ans A) 174

B) 167

C) 160

D) 153

Correct Answer: B

Q.33 Which of the following is NOT an example of a single cell that constitutes a complete organism?

Ans A) Chlamydomonas

B) Paramecium

C) Cycas

D) Amoeba

Correct Answer: C

Q.34 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?

$$8 D 46 A 46 B 40 C 47 = ?$$

Ans A) 15

B) 16

C) 13

D) 17

Correct Answer: A

Q.35 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?

Ans A) Q

B) J

C) S

D) B

Correct Answer: D

Q.36 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?

Ans A) D

B) A

C) O

D) S

Correct Answer: D

Q.37 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?

Ans A) 5 days

B) 7 days

C) 6 days

D) 8 days

Correct Answer: D

Q.38 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.)

Ans A) 5 km to the North B) 6 km to the South C) 6 km to the North D) 5 km to the South

Correct Answer: D

Q.39 An article is sold at a profit of 64%. If the cost price is increased by ₹60 and the selling price is reduced by ₹65, then the profit would be 42.5%. What is the original cost price (in ₹) of the article?

Ans A) 600 B) 500 C) 700 D) 400

Correct Answer: C

Q.40 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?

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

Correct Answer: B

Q.41 Find the simplified value of the given expression.

$$\frac{(2^3 \times 8^2)^3 \div (4^5 \times 16^2)}{(32^2 \div 2^4)^2}$$

Ans A) 2^2 B) 2^3 C) 2^{-2} D) 2^{-3}

Correct Answer: D

Q.42 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

Ans A) VIQ : ZNV B) HNR : LTW C) HDL : LJQ D) VAM : ZER

Correct Answer: D

Q.43 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

Ans A) 5 B) 6 C) 2 D) 4

Correct Answer: B

Q.44 What should come in place of ? in the given series?

31 32 34 38 46 ?

Ans A) 62 B) 63 C) 64 D) 61

Correct Answer: A

Q.45 In carbon dioxide (CO₂), 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?

Ans A) 48 g B) 64 g C) 72 g D) 96 g

Correct Answer: D

Q.46 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?

Ans A) XDSA B) XOKI C) XNOI D) XINO

Correct Answer: C

Q.47 In 2025, which of the following institutions was designated as one of the Thematic Hubs (T-Hubs) under India's National Quantum Mission (NQM)?

Ans A) Indian Institute of Science (IISc), Bengaluru B) Indian Institute of Technology (IIT), Kanpur
C) National Institute of Technology (NIT), Trichy D) Indian Statistical Institute (ISI), Kolkata

Correct Answer: A

Q.48 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.)

Ans A) CHG B) TYX C) OTS D) FHJ

Correct Answer: D

Q.49 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.

Ans A) 80 B) 82 C) 74 D) 77

Correct Answer: D

Q.50 In a code language, 'PEN' is coded as 9 and 'WOLF' is coded as 16. How will 'ISLAND' be coded in the same language?

Ans A) 24 B) 42 C) 18 D) 36

Correct Answer: D

Q.51 The marked price of a refrigerator is ₹50,000. The dealer offered three successive discounts of 15%, 20%, and 30%. The selling price will be:

Ans A) ₹23,800 B) ₹24,050 C) ₹23,450 D) ₹24,500

Correct Answer: A

Q.52 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?

Ans A) Husband B) Brother C) Sister D) Wife

Correct Answer: C

Q.53 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?

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

Correct Answer: A

Q.54 Digestion of food by means of gastric glands and hydrochloric acid takes place in which part of the body?

Ans A) Pancreas B) Stomach C) Small intestine D) Large intestine

Correct Answer: B

Q.55 According to the Cartesian sign convention, the object distance (u) is taken as:

Ans A) Negative when the object is real B) Positive when the object is real C) Positive for all types of objects D) Zero for all mirrors

Correct Answer: A

Q.56 What is the region around a magnet called, where the force of the magnet can be detected?

Ans A) Magnetic pole B) Magnetic zone C) Magnetic field D) Magnetic line

Correct Answer: C

Q.57 How is the valency of an element determined when the outermost shell is nearly full?

Ans A) By the total number of neutrons in the nucleus B) By the total mass of the atom C) By the total number of protons in the nucleus
D) By the number of electrons needed to complete the octet

Correct Answer: D

Q.58 Which Article of the Indian Constitution directs the State to take steps to organize Village Panchayats?

Ans A) Article 60 B) Article 40 C) Article 50 D) Article 30

Correct Answer: B

Q.59 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.

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

Correct Answer: C

Q.60 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?

Ans A) 5

B) 2

C) 6

D) 8

Correct Answer: B

Q.61 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?

Ans A) D

B) C

C) A

D) B

Correct Answer: B

Q.62 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?

Ans A) Sunday

B) Monday

C) Thursday

D) Tuesday

Correct Answer: C

Q.63 If $a : b = p : q = 3 : 7$, then what is the value of $(2a + 3p)/(2b + 3q)$?

Ans A) $\frac{3}{7}$

B) $\frac{4}{9}$

C) $\frac{6}{11}$

D) $\frac{2}{5}$

Correct Answer: A

Q.64 Find the ratio between the circumference of the circle and the perimeter of the sector, given that the sector's central angle measures 30° ($\pi = 3.14$).

Ans A) 8184 : 775

B) 1778 : 775

C) 1884 : 757

D) 1488 : 577

Correct Answer: C

Q.65 A student's marks were incorrectly entered as 70 instead of 73. Due to this, the average marks of the class got decreased by $\frac{3}{2}$. What is the number of students in the class?

Ans A) 12

B) 10

C) 2

D) 8

Correct Answer: C

Q.66 If the interest earned during the 2nd year on a certain sum is ₹6330, and the rate of interest is 20% per annum compounded annually, then the sum is:

Ans A) ₹26160

B) ₹25850

C) ₹25465

D) ₹26375

Correct Answer: D

Q.67 What sum (in ₹) will earn an interest of ₹460 in 2 years at 8% simple interest per year?

Ans A) 2675

B) 3025

C) 3075

D) 2875

Correct Answer: D

Q.68 Find the mean proportional of 49 and 25.

Ans A) 32

B) 35

C) 38

D) 47

Correct Answer: B

Q.69 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'?

Ans A) Sister's son

B) Brother's son

C) Father

D) Brother

Correct Answer: A

Q.70 5% of a number is what percentage of 2% of the same number?

Ans A) 71.43%

B) 40%

C) 250%

D) 35.71%

Correct Answer: C

Q.71 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.

Ans A) Only conclusion (II) follows.

B) Both conclusions (I) and (II) follow.

C) Neither conclusion (I) nor (II) follows.

D) Only conclusion (I) follows.

Correct Answer: C

Q.72 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?

Ans A) 1

B) 5

C) 3

D) 2

Correct Answer: C

Q.73 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
RPE YWL FDS MKZ ?

Ans A) TGR

B) THY

C) TRG

D) TGU

Correct Answer: C

Q.74 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

Ans A) 71

B) 87

C) 79

D) 68

Correct Answer: A

Q.75 If '+' means '-', '-' means 'x', 'x' means '+', '+' means '+', then what will come in place of the question mark (?) in the following equation?

$$188 \div 11 - 16 + 234 \times 18 = ?$$

Ans A) 351

B) 343

C) 360

D) 328

Correct Answer: A