



# 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	13/02/2026
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.

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

#### Section : RRB ALP

**Q.1** 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) PT - MR                      B) EI - BF                      C) NR - KO                      D) JN - GK                      **Correct Answer: A**

**Q.2** Shubh marks an article 40% above its cost price. He allows a single discount of d% on the marked price and still makes a profit of 10% on the cost price. Find the discount d%.

Ans A) 23%                      B)  $21\frac{2}{7}\%$                       C)  $21\frac{3}{7}\%$                       D) 22%                      **Correct Answer: C**

**Q.3** A shopkeeper fixes the marked price of an item 20% above its cost price. What percentage of discount should he offer to gain 2%?

Ans A) 12%                      B) 15%                      C) 18%                      D) 17%                      **Correct Answer: B**

**Q.4** If the interest earned during the 2nd year on a certain sum is ₹3072, and the rate of interest is 20% per annum compounded annually, then the sum is:

Ans A) ₹12965                      B) ₹12800                      C) ₹13545                      D) ₹12055                      **Correct Answer: B**

**Q.5** What sum (in ₹) will earn an interest of ₹480 in 2 years at 10% simple interest per year?

Ans A) 2600                      B) 2550                      C) 2200                      D) 2400                      **Correct Answer: D**

**Q.6** During a sale, 50% of the goods are sold at a 49% profit, 32% of the remaining goods are sold at a 45% profit and the still remaining goods are sold at a loss of 15%. If there is an overall profit of x%, then what is the value of x?

Ans A) 28.1%                      B) 26.6%                      C) 25%                      D) 27%                      **Correct Answer: B**

**Q.7** The LCM of the numbers 1.3, 7.6 and 0.13 is:

Ans A) 107                      B) 98.8                      C) 102                      D) 100                      **Correct Answer: B**

**Q.8** This question is based on the five, three-digit numbers given below.  
(Left) 567 154 264 614 328 (Right)  
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)  
What will be the resultant if third digit of the highest number is added to the second digit of lowest number?

Ans A) 5                      B) 6                      C) 9                      D) 8                      **Correct Answer: C**

**Q.9** Ashutosh starts from Point A and drives 19 km towards West. He then takes a left turn, drives 9 km, turns left and drives 26 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 7 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) 10 km to the North      B) 11 km to the North      C) 11 km to the South      D) 10 km to the South

Correct Answer: D

**Q.10** A, G, H, P, S and Y 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. Only three people live between Y and H, where Y lives below H. G lives on an odd-numbered floor and immediately above Y. S lives on one of the floors below A and on one of the floors above P. Who lives on floor numbered 5?

Ans A) Y      B) G      C) P      D) A

Correct Answer: D

**Q.11** What is the mode of the following data?

44, 45, 51, 50, 53, 54, 46, 40, 51, 46, 40, 42, 55, 42, 44, 55, 49, 44

Ans A) 44      B) 51      C) 55      D) 40

Correct Answer: A

**Q.12** When the one-third of a number is increased by 25, the result is 87. Find the sum of the digits of the original number.

Ans A) 18      B) 15      C) 14      D) 17

Correct Answer: B

**Q.13** A flask in the shape of a right circular cone of height 19 cm is filled with water. The water is poured in the right circular cylindrical flask whose radius is one-third of the radius of the base of the circular cone. Then, what is the height of the water in the cylindrical flask?

Ans A) 83 cm      B) 73 cm      C) 57 cm      D) 53 cm

Correct Answer: C

**Q.14** What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '-' and 'x' are interchanged?

$243 + 9 \times 4 - 19 + 200 = ?$

Ans A) 156      B) 149      C) 144      D) 151

Correct Answer: D

**Q.15** 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)  
2 - 4 - 16 - 32 ; 3 - 6 - 36 - 72

Ans A) 6 - 12 - 144 - 248      B) 5 - 10 - 100 - 200      C) 1 - 2 - 4 - 16      D) 9 - 18 - 36 - 72

Correct Answer: B

**Q.16** Two triangles share the same base of 14 cm. The area of one triangle is 98 cm<sup>2</sup>. If the area of the other triangle is twice that of the first, find the height of the second triangle.

Ans A) 7 cm      B) 28 cm      C) 21 cm      D) 14 cm

Correct Answer: B

**Q.17** If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3615487, which of the following digits will be second from the left?

Ans A) 4      B) 3      C) 2      D) 8

Correct Answer: A

**Q.18** 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) LPS      B) QTW      C) GKN      D) BFI

Correct Answer: B

**Q.19** 5% of a number is what percentage of 4% of the same number?

Ans A) 55.55%      B) 27.78%      C) 125%      D) 80%

Correct Answer: C





Q.41	In a certain code language, 'buy some food' is coded as 'lr tp nx' and 'food is tasty' is coded as 'nx ze jq'. How is 'food' coded in the given language?			
Ans A)	nx	B) lr	C) jq	D) tp
				Correct Answer: A
Q.42	If an object is moved from beyond the center of curvature towards the focus in front of a concave mirror, the image _____.			
Ans A)	becomes virtual and moves towards the mirror	B) remains the same size and position		
	C) becomes larger and moves away from the mirror	D) becomes smaller and moves closer to the mirror		Correct Answer: C
Q.43	In a certain code language, 'M + N' means 'M is the brother of N', 'M - N' means 'M is the husband of N', 'M x N' means 'M is the sister of N' and 'M ÷ N' means 'M is the mother of N'. Based on the above, how is A related to F if 'A - B + C + D x E + F'?			
Ans A)	Father	B) Father's brother	C) Mother's brother	D) Brother
				Correct Answer: A
Q.44	A and B can complete a job in 12 days and 18 days, respectively. If they work together for 6 days, how much of the job is left to be done?			
Ans A)	$\frac{1}{9}$ of the job	B) $\frac{1}{6}$ of the job	C) $\frac{1}{2}$ of the job	D) $\frac{1}{7}$ of the job
				Correct Answer: B
Q.45	D is the father of E. B is the son of F. D is married to F. K is the son of R, and R is the father of F. How is R related to D?			
Ans A)	Father	B) Wife's father	C) Wife's brother	D) Brother
				Correct Answer: B
Q.46	In a code language, 'HUGE' is coded as 82 and 'MERCY' is coded as 128. How will 'ASPECT' be coded in the same language?			
Ans A)	128	B) 88	C) 96	D) 116
				Correct Answer: A
Q.47	A sum of ₹3,540 is divided between Nisha, Sameer and Rupesh such that if their shares are decreased by ₹760, ₹190 and ₹280, respectively, then they are in the ratio of 10 : 2 : 9. What is the original share of Sameer?			
Ans A)	₹596	B) ₹137	C) ₹410	D) ₹468
				Correct Answer: C
Q.48	Each vowel in the word PROVIDE 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 number thus formed?			
Ans A)	P	B) C	C) U	D) Q
				Correct Answer: A
Q.49	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.			
	<b>Statements:</b> All taps are bats. All bats are mugs.			
	<b>Conclusions:</b> (I) Some mugs are bats. (II) All taps are mugs.			
Ans A)	Only conclusion (II) follows.	B) Neither conclusion (I) nor (II) follows.	C) Only conclusion (I) follows.	
	D) Both conclusions (I) and (II) follow.			Correct Answer: D
Q.50	IM 126 is related to LN 116 in a certain way. In the same way, KO 149 is related to NP 139. To which of the given options is RV 263, following the same logic?			
Ans A)	TW 233	B) SX 243	C) TX 253	D) UW 253
				Correct Answer: D

**Q.51** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GTN ZMG SFZ LYS ?

Ans A) ERD

B) ERF

C) RDS

D) ERL

Correct Answer: D

**Q.52** During the propagation of sound in air, rarefaction is the region where:

Ans A) particles are very close

B) density is minimum

C) wavelength becomes zero

D) pressure is high

Correct Answer: B

**Q.53** If  $x\%$  of 600 = 12% of 250 + 18% of 300, then the value of x is:

Ans A) 12

B) 18

C) 16

D) 14

Correct Answer: D

**Q.54** 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 relatives – **Leena, Mona, Pooja, and Reema** – are of different ages.

**Who is the second oldest?**

**(I)** Mona is older than Leena but younger than Reema.

**(II)** Pooja is younger than Reema but older than Mona.

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

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

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

Correct Answer: A

**Q.55** Among five people named V, W, X, Y and Z, each have a certain age. X is four times the age of Y. V's age is equal to the age of X. Y is one-third the age of Z. W is half the age of V. If the age of Z is 12, what is the age of W?

Ans A) 8

B) 6

C) 15

D) 4

Correct Answer: A

**Q.56** Each of G, J, M, O, R, S and T has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

S has an exam on Friday. Only two people have exams between G and S. Only four people have exams between M and G. J has an exam immediately after T. R does not have an exam on Monday.

How many people have exams between R and O?

Ans A) Two

B) Three

C) One

D) Four

Correct Answer: D

**Q.57** D, E, F, G, K, L and M are sitting around a circular table, facing the centre of the table. D sits fourth to the right of K. Only two people sit between L and G when counted from the left of L. F sits third to the left of E. M is an immediate neighbour of E and G. How many sit people between D and M when counted from the left of M?

Ans A) Three

B) One

C) Two

D) Four

Correct Answer: D

**Q.58** 18 is related to 321 following a certain logic. Following the same logic, 13 is related to 166. To which of the given options is 25 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) 622

B) 426

C) 422

D) 626

Correct Answer: A

**Q.59** A person drove at 53 kmph for 2.5 hours, then increased his speed by 28 kmph, and reached the destination in another hour. Find the average speed (in kmph) of the person during the entire journey.

Ans A) 59

B) 61

C) 60

D) 58

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.  
 Among the five poles—R, A, M, E, and N—each having a different height, which one is the shortest?  
 (I) N is shorter than A. E is shorter than R.  
 (II) E is taller than N.

- 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: A

**Q.61** Find the mean proportional of 49 and 16.

- Ans A) 36 B) 32 C) 28 D) 24

Correct Answer: C

**Q.62** Refer to the following number and symbol series and answer the question that follows.  
 Counting to be done from left to right only.  
 (Note: All numbers are single digit numbers only.)

(Left) 6 £ 2 @ % 7 8 # 1 3 \* 9 \$ & 4 ^ < 5 (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) One B) Two C) Three D) None

Correct Answer: C

**Q.63** Find the simplified value of the following expression.

$$\frac{(36 \div 3) \times (48 \div 6) - (16 \div 2)}{4}$$

- Ans A) 23 B) 22 C) 21 D) 24

Correct Answer: B

**Q.64** In a circle, the diameter PQ is extended through Q to an external point X. Tangent XY is drawn to point Y on the circle. If XY = 15 cm and QX = 9 cm, then find the radius of the circle.

- Ans A) 9 cm B) 7 cm C) 10 cm D) 8 cm

Correct Answer: D

**Q.65** Which of the following is NOT a characteristic of muscular tissue?

- Ans A) Voluntary muscles are also called skeletal muscles. B) Muscles in limbs are voluntary muscles.  
 C) Muscular tissues are composed of muscle fibres. D) Cardiac muscles are voluntary muscles.

Correct Answer: D

**Q.66** Refer to the following letter, symbol series and answer the question that follows.  
 Counting to be done from left to right only.

(Left) \$ T % K L € & € G R Y @ A W # Y © R B \* O Y (Right)

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

- Ans A) 5 B) 6 C) 3 D) 4

Correct Answer: D

**Q.67** Refer to the following letter, symbol series and answer the question.  
 Counting to be done from left to right only.

(Left) X # S L K M O > ? A S + T % @ A P & ? X Z R @ \* + # I O ? & @ E R S Y U ? (Right)

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

- Ans A) 3 B) 4 C) 1 D) 2

Correct Answer: D

**Q.68** Which of the following Indian states became the third to achieve full functional literacy under the ULLAS - Nav Bharat Saaksharta Karyakram (New India Literacy Programme) in June 2025?

- Ans A) Gujarat B) Tripura C) Assam D) Kerala

Correct Answer: B

