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IBPS RRB CLERK MODEL PAPER

Banking | SSC | NTPC

Questions designed strictly according to the IBPS RRB Clerk (Office Assistant) examination pattern.

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IBPS RRB Clerk Prelims

Model Paper Set 05

Time Allowed: 45 Minutes,

Total Questions: 80

Date: _____

Student Details

Name: _____

No of Questions Attempt: _____

Start Time: _____

End Time: _____

Test Rules & Scoring

Scoring Scheme: +1 for correct answers | **-0.25** for incorrect responses.

Writing Tool: Blue or black ballpoint pen only.

Test Discipline: Start only upon the invigilator's signal. Zero tolerance for malpractice.

Handover: Submit your response sheet to the invigilator before exiting the hall.

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Invigilator Signature:

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Logical Reasoning questions tailored specifically for **IBPS RRB Clerk Prelims**.

Directions for Questions 1–5:

Study the following information carefully and answer the questions given below:

Eight persons—P, Q, R, S, T, U, V, and W—are sitting around a circular table facing towards the center, but not necessarily in the same order. Each of them likes a different fruit: Apple, Banana, Mango, Grapes, Orange, Papaya, Guava, and Kiwi.

The one who likes Mango sits third to the right of P. Only two persons sit between the one who likes Mango and R. Q sits second to the right of R and does not like Mango. The one who likes Apple sits immediate left of Q. U sits third to the right of the one who likes Apple. T and V are immediate neighbors of each other, and neither of them likes Mango or Apple. V does not like Grapes. The one who likes Papaya sits second to the right of S. S does not like Mango and is not an immediate neighbor of R. W sits to the immediate right of the one who likes Guava. The one who likes Kiwi sits opposite to the one who likes Orange. T does not like Orange.

Q1. Who among the following likes the Grapes fruit?

(a) P (b) S (c) V
(d) U (e) W

Q2. Who sits second to the left of the person who likes Orange?

(a) The one who likes Apple
(b) R
(c) The one who likes Guava
(d) T
(e) Q

Q3. Which of the following statements is/are true regarding W?

(a) W sits opposite to P
(b) W likes Papaya
(c) W is an immediate neighbor of the one who likes Mango
(d) Both (b) and (c)
(e) All are true

Q4. Four of the following five are alike in a certain way based on their seating positions and thus form a group. Which one does not belong to that group?

(a) P - Kiwi
(b) R - Banana
(c) S - Orange
(d) U - Grapes
(e) T - Papaya

Q5. What is the position of T with respect to the one who likes Mango?

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

Directions for Questions 6–9:

Study the following information carefully and answer the questions given below:

Seven boxes—A, B, C, D, E, F, and G—are placed one above the other in a single stack, such that the bottom-most box is numbered 1 and the box immediately above it is numbered 2, and so on up to the top box numbered 7. Each box contains a different number of chocolates: 12,18,24,30,36,42, and 48 (not necessarily in the same order).

Box C is placed at an odd-numbered position above position 3 and contains a number of chocolates that is a multiple of 9 greater than 30. Exactly two boxes are placed between Box C and the box containing 36 chocolates. Box A contains 18 chocolates and is placed immediately below the box containing 36 chocolates. The number of boxes above Box A is equal to the number of boxes below Box E. Box B contains 12 chocolates and is placed somewhere below Box E. The difference between the number of chocolates in Box C and Box E is a multiple of 6. Box D contains 30 chocolates and is placed immediately above Box F. Box G does not contain 48 chocolates.

Q6. Which box is placed at the very top (Position 7)?

(a) C (b) D (c) E

(d) G (e) F

Q7. What is the sum of the chocolates contained in Box C and Box F together?

(a) 72 (b) 78 (c) 84
(d) 90 (e) 66

Q8. How many boxes are placed between Box B and Box A?

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

Q9. Which of the following combinations of Box - Chocolates - Position is correct?

(a) E - 48 - Box 6
(b) D - 30 - Box 4
(c) G - 42 - Box 7
(d) C - 36 - Box 5
(e) F - 24 - Box 2

Directions for Questions 10–12:

Study the following information carefully and answer the questions:

Certain number of persons are sitting in a linear row facing North.

Only five persons sit to the left of P. Q sits third to the right of P. Exactly four persons sit between Q and R. S sits second to the left of R. The number of persons sitting to the left of S is equal to the number of persons sitting to the right of T. T sits at one of the extreme ends.

V sits exactly in the middle of Q and R.

Q10. What is the total number of persons sitting in the row?

(a) 16 (b) 18 (c) 20
(d) 22 (e) Cannot be determined

Q11. What is the position of V with respect to P?

(a) Fifth to the right
(b) Sixth to the right
(c) Fourth to the right
(d) Seventh to the right
(e) Eighth to the right

Q12. How many persons sit between S and T?

(a) 9 (b) 10 (c) 11
(d) 12 (e) 13

Directions (Q. 13–15): In each question, two statements are followed by three conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all conclusions and decide which of the given conclusions logically follows from the given statements:

Q13.

Statements:

- Only a few Pens are Pencils.
- All Pencils are Erasers.
- No Eraser is a Marker.

Conclusions:

I. Some Pens being Markers is a possibility.
II. All Pens can never be Pencils.
III. Some Erasers are definitely Pens.

(a) Only conclusion I follows
(b) Only conclusion II and III follow
(c) Only conclusion I and II follow
(d) All conclusions follow
(e) None follows

Q14.

Statements:

All Laptops are Computers.
Only a few Computers are Tablets.
No Tablet is a Phone.

Conclusions:

I. Some Laptops are Tablets.
II. No Laptop is a Tablet.
III. Some Computers are definitely not Phones.

(a) Only conclusion III and either I or II follow
(b) Only conclusion I follows
(c) Only conclusion III follows
(d) Only conclusion II follows
(e) None follows

Q15.

Statements:

- Some Chairs are Tables.
- Only a few Tables are Benches.
- All Benches are Desks.

Conclusions:

I. All Tables can be Desks.
II. Some Chairs are Benches.
III. Some Desks are Tables.

(a) Only I and II follow
(b) Only I and III follow
(c) Only II and III follow

(d) All I, II, and III follow
(e) None of these

Directions (Q. 16–18) In each question, a set of three conclusions is given, followed by four sets of statements. You have to choose the set of statements from which the given conclusions logically follow:

Q16.
Conclusions:
I. Some Cats are Dogs.
II. All Dogs being Rats is a possibility.
III. No Cat is a Rat.
(a) Statements: All Cats are Animals. No Animal is a Dog. All Dogs are Rats.
(b) Statements: Some Cats are Dogs. Some Dogs are Rats. No Cat is a Rat.
(c) Statements: All Cats are Dogs. Some Dogs are Rats. No Rat is an Animal.
(d) Statements: Some Cats are Animals. All Animals are Dogs. No Dog is a Rat.
(e) None of these

Q17.
Conclusions:
I. Some Stars are Moons.
II. All Suns are Moons.
III. Some Moons are not Stars.
(a) Statements: Only a few Stars are Suns. All Suns are Moons.
(b) Statements: All Stars are Suns. Only a few Suns are Moons.
(c) Statements: No Star is a Sun. All Suns are Moons.
(d) Statements: Only a few Stars are Moons. All Suns are Moons.
(e) None of these

Q18.
Conclusions:
I. All Books are Pens.
II. Some Books are not Pencils.
III. Some Pens are Pencils.
(a) Statements: Only a few Books are Pens. All Pens are Pencils.
(b) Statements: All Books are Pens. Only a few Pens are Pencils.
(c) Statements: No Book is a Pen. All Pens are Pencils.
(d) Statements: All Books are Pens. All Pens are Pencils.
(e) None of these

Directions (Q. 19–24): Study the following information carefully to answer the questions:
In a certain code language:
"BANKING SECTOR REFORMS FAST" is coded as **"V4% X18% D13% U6%"**
"DIGITAL INDIA GROWTH RATE" is coded as **"W9% R9% I18% G20%"**
"PUBLIC SECTOR BANK LOAN" is coded as **"O15% X18% V4% O12%"**
"MONETARY POLICY REVIEW MEET" is coded as **"N13% K16% I9% N14%"**

Q19. What is the code for the word "FINANCE"?
(a) F14% (b) U22% (c) V22%
(d) E13% (e) U14%

Q20. What is the code for the word "GROWTH"?
(a) G20% (b) I18% (c) W9%
(d) R9% (e) None of these

Q21. The code "X18%" stands for which of the following words?
(a) SECTOR (b) BANKING
(c) PUBLIC (d) REFORMS
(e) RATE

Q22. What does the symbol "%" represent across all codes in this language?
(a) Total number of consonants in the word
(b) Number of vowels in the word minus 1
(c) Constant code representing sentence length
(d) Reverse alphabetical position of the middle letter
(e) None of these

Q23. What will be the code for "RESERVE"?
(a) E22% (b) V22% (c) I22%
(d) R18% (e) E18%

Q24. What is the code for "BUDGET"?
(a) W20% (b) B7% (c) T20%
(d) U7% (e) G20%

Directions for Questions 25–28
$P@Q$ means "P is the mother of Q".

$P\#Q$ means "P is the father of Q".
$P\%Q$ means "P is the sister of Q".
$P\&Q$ means "P is the brother of Q".
$P\$Q$ means "P is the son of Q".
$P * Q$ means "P is the daughter of Q".

Q25. In the expression $A@B\&C\$D\%E$, how is A related to E?
(a) Mother
(b) Grandmother
(c) Aunt
(d) Sister
(e) Mother-in-law

Q26. Which of the following expressions indicates that M is the paternal uncle of N?
(a) $M\&P\#Q\$N$
(b) $M\&P\$Q\#N$
(c) $M\%P@Q\$N$
(d) $M\&P\%Q * N$
(e) None of these

Q27. In the expression $X\#Y\$Z@W$, how is W related to X?
(a) Grandson
(b) Granddaughter
(c) Son
(d) Either Grandson or Granddaughter
(e) Data inadequate

Q28. Which of the following means J is the sister-in-law of K, given that K is married?
(a) $K\&L\$M * J$
(b) $K\$L\&M@J$
(c) $K\&L\$M\%J$
(d) $K\$L\&M * J$
(e) None of these

Directions for Questions 29–32 (Direction Sense):
Point P is 12 m to the west of Point Q. Point R is 9 m to the north of Point Q. Point S is 15 m to the east of Point R. Point T is 13 m to the south of Point S. Point U is 6 m to the west of Point T.

Q29. What is the shortest distance between Point P and Point U?
(a) 5 m
(b) 10 m
(c) 13 m
(d) 15 m
(e) 12 m

Q30. In which direction is Point R with respect to Point P?
(a) North-East
(b) North-West
(c) South-East
(d) North
(e) East

Q31. If a person walks 5 m south from Point Q to reach a new point X, what is the distance between Point X and Point P?
(a) 13 m
(b) 12 m
(c) 15 m
(d) 10 m
(e) 14 m

Q32. What is the direction of Point U with respect to Point Q?
(a) North-East
(b) South-East
(c) North-West
(d) South-West
(e) North

Q33. Statement: "The municipal corporation has decided to impose a heavy fine on citizens found littering plastic waste on public roads starting next month."
Which of the following can be an implicit assumption?
(a) Citizens will stop visiting public roads if fines are imposed.
(b) People currently ignore civic cleanliness rules regarding plastic waste.
(c) The municipal corporation has sufficient funds without fines.
(d) Fines are the only method available to control pollution.
(e) None of these

Q34. Statement: "Road accidents involving commercial trucks have increased by 30% on national highways over the past quarter due to driver fatigue and lack of mandatory rest stops."
Which of the following courses of action should the transport authority take?

(a) Ban all commercial trucks from national highways permanently.
(b) Enforce strict rest-stop regulations and monitor driving hours digitally.
(c) Increase toll taxes on all vehicles to discourage travel.
(d) Penalize truck owners by seizing their vehicles immediately.
(e) Ignore the statistics as seasonal variations.

Q35. Statement: "Despite several warnings by the management regarding production deadlines, employee absenteeism on Mondays has doubled this quarter."
Which of the following is a strong course of action?
(a) Fire all employees immediately without notice.
(b) Investigate the underlying causes of Monday absenteeism and introduce flexible shifts or counseling.
(c) Stop paying salaries to all workers.
(d) Close down the factory branch.
(e) Reduce working hours for the rest of the week.

Q36. Statement: "Local vegetable prices have skyrocketed by 50% this month due to unseasonal heavy rainfall damaging crops across the agricultural belt."
Which of the following can be inferred from the statement?
(a) Unseasonal rainfall adversely affects crop yield and market prices.
(b) Vegetable farming is no longer profitable in the country.
(c) Consumers have completely stopped buying vegetables.
(d) The government will ban vegetable consumption.
(e) Rainfall has no impact on vegetables.

Q37. Find the odd one out among the following letter clusters:
(a) DWHS
(b) EVFU
(c) GTOQ
(d) AZCX
(e) JQKP

Q38. In a certain code language, "EXAM" is written as "FYBP". How is "CLERK" written in that language?
(a) DMFTL
(b) DMESL
(c) DMFSK
(d) DNFTL
(e) DMFTK

Q39. If the digits of the number 7482593 are arranged in ascending order from left to right, how many digits will remain at the same position as they were in the original number?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three

Q40. How many meaningful 4-letter English words can be formed with the letters E, A, R, T (using each letter only once in each word)?
(a) 1
(b) 2
(c) 3
(d) 4
(e) None

40 Quantitative Aptitude questions tailored for **IBPS RRB Clerk Prelims**.

Arithmetic Word Problems (Questions 1–15)

Q1. Partnership: A, B, and C started a business by investing in the ratio of 3:4:5. After 3 months, A withdrew an amount equal to $\frac{1}{3}$rdof the total amount invested by B and C together. If A received Rs. 702 as his share of profit at the end of the year, find the total annual profit of the business.
(a) Rs. 3,510 (b) Rs. 4,212
(c) Rs. 3,850 (d) Rs. 4,680
(e) None of these

Q2. Mixture & Alligation: A container is full of a mixture of milk and water containing 40%water. A part of this mixture is replaced by another mixture containing 81%milk, and now

the percentage of milk in the final mixture is found to be 74%. What fraction of the original mixture was replaced?

(a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) $\frac{2}{5}$
(d) $\frac{3}{5}$ (e) None of these

Q3. Age & Ratio: 3 years ago, the ratio of the age of A and B was 3: 1. If the present age of B is $\frac{3}{7}$thof the present age of A, what is the difference between their present ages (in years)?

(a) 25 (b) 30 (c) 35
(d) 40 (e) 45

Q4. Probability: Find the probability that in a 7-letter word formed by rearranging the letters of the word **'CASTING'**, all the vowels always come together.

(a) $\frac{2}{7}$ (b) $\frac{19}{42}$ (c) $\frac{4}{15}$
(d) $\frac{10}{21}$ (e) $\frac{4}{14}$

Q5. Average: The average of four numbers is 64. If 3 is added to the first number, multiplied by 3 to the second number, subtracted by 3 from the third number, and the fourth number is divided by 3, all the resulting values are equal. Find the difference between the second highest and the smallest number among the original four numbers.

(a) 45 (b) 35 (c) 42
(d) 39 (e) 32

Q6. Boats & Streams: A boat can travel 36 kmupstream and 48 kmdownstream in 9 hours. Also, it can travel 48 kmupstream and 36 kmdownstream in 8.5hours. Find the speed of the current (in km/hr).

(a) 2 km/hr (b) 4 km/hr
(c) 3 km/hr (d) 5 km/hr
(e) 1.5 km/hr

Q7. Time & Work: 12 men can complete a piece of work in 8 days. 16 women can complete the same work in 12 days. 8 men started working, and after 4 days, they were replaced by $n$women. If the remaining work was completed by the women in 6 days, find the value of n.

(a) 12 (b) 16 (c) 20
(d) 24 (e) 18

Q8. Profit, Loss & Discount: A shopkeeper marks up an article 60%above its cost price and offers two successive discounts of 12.5%and d%. If he makes a net profit of 22.5%on the transaction, find the value of d%.

(a) 10% (b) 12% (c) 15%
(d) 20% (e) 25%

Q9. Simple & Compound Interest: A sum of money becomes Rs. 14,520 at 2years and Rs. 15,972 at 3years when compounded annually. Find the rate of interest and the principal sum respectively.

(a) 10%, Rs. 12,000
(b) 12%, Rs. 11,500
(c) 10%, Rs. 10,000
(d) 8%, Rs. 12,500
(e) 15%, Rs. 11,000

Q10. Mensuration: The radius of a cylinder is decreased by 20%, and its height is increased by x%. If the volume of the cylinder remains unchanged, find the value of x.

(a) 36.25% (b) 45.25%
(c) 56.25% (d) 62.50%
(e) 40.00%

Q11. Pipes & Cisterns: Three pipes A, B, and C can fill an empty tank in 12 hours, 15 hours, and 20 hours respectively. Pipe A is opened all the time, while pipes B and C are opened alternately for 1 hour each, starting with B. In how many hours will the tank be completely filled?

(a) $6\frac{1}{4}$ hours (b) $7\frac{1}{2}$ hours
(c) $5\frac{3}{4}$ hours (d) $6\frac{3}{5}$ hours
(e) 8 hours

Q12. Time, Speed & Distance: Two trains start simultaneously from stations X and Y towards each other at speeds of 60 km/hrand 75 km/hrrespectively. By the time they met, it was found that the second train had traveled 120 kmmore than the first train. Find the distance between stations X and Y.

(a) 1,080 km (b) 1,200 km
(c) 960 km (d) 1,350 km
(e) 1,050 km

Q13. Partnership (Advanced): P and Q invest in a business in the ratio 5:7. Q is a working partner and receives 20%of the total profit as a salary, and the remaining profit is distributed in proportion to their investments. If Q's total earnings (salary + profit share) amount to Rs. 7,200 out of a total profit of Rs. 15,000, find P's share.

(a) Rs. 4,500 (b) Rs. 5,000
(c) Rs. 4,800 (d) Rs. 5,400
(e) Rs. 6,000

Q14. Percentage & Population: The population of a town increased by 15%in the first year, decreased by 10%in the second year, and increased by 20%in the third year. If the population at the end of 3 years is 20,700, what was the initial population?

(a) 15,000 (b) 16,000
(c) 18,000 (d) 14,000
(e) 15,500

Q15. Mixture Replacement: A vessel contains 200 liters of pure milk. 40 liters of milk is taken out and replaced with water. This process is performed a second time. What is the final quantity of milk left in the vessel?

(a) 120 liters (b) 128 liters
(c) 135 liters (d) 144 liters
(e) 150 liters

Quadratic Equations with Variable Traps (Questions 16–25)

Directions (Q. 16–25): In each of the following questions, two equations numbered I and II are given. You have to solve both equations and mark the appropriate option:

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$or relationship cannot be established (CND)

Q16.

I. $2x^2 - 13x + 20 = 0$
II. $2y^2 - 17y + 35 = 0$

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

Q17.

I. $x^2 - 7\sqrt{2}x + 24 = 0$
II. $y^2 - 5\sqrt{2}y + 12 = 0$

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

Q18.

I. $3x^2 + 10x + 8 = 0$
II. $2y^2 + 15y + 28 = 0$

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

Q19.

I. $x^2 = 196$
II. $(y - 14)^2 = 0$

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

Q20.

I. $6x^2 - 5x + 1 = 0$
II. $3y^2 - 8y + 5 = 0$

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

Q21.

I. $15x^2 + 28x + 5 = 0$
II. $5y^2 + 12y + 4 = 0$

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

Q22.

I. $x^2 - 11x + 28 = 0$
II. $y^2 - 15y + 56 = 0$

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

Q23.

I. $4x^2 - 24x + 35 = 0$
II. $2y^2 - 9y + 10 = 0$

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

Q24.

I. $x^2 - 14x + 45 = 0$
II. $y^2 - 18y + 81 = 0$

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

Q25.
I. $5x^2 - 18x + 9 = 0$
II. $3y^2 - 19y + 20 = 0$
(a) D (b) E (c) B
(d) A (e) C

Wrong Number & Missing Number Series (Questions 26–32)

Q26. Find the wrong number in the series:
4, 7, 12, 20, 32, 49, 72
(a) 20 (b) 32 (c) 49
(d) 72 (e) 12

Q27. Find the wrong number in the series:
3, 4, 10, 33, 136, 685, 4116
(a) 10 (b) 33 (c) 136
(d) 685 (e) 4116

Q28. Find the wrong number in the series:
500, 484, 459, 423, 374, 310 , 231
(a) 484 (b) 423 (c) 374
(d) 310 (e) 231

Q29. Find the missing number in the series:
12, 18, 30, 54, 102, ?
(a) 186 (b) 198 (c) 174
(d) 192 (e) 168

Q30. Find the missing number in the series:
7, 11, 19, 35, 67, ?
(a) 125 (b) 131 (c) 115
(d) 127 (e) 135

Q31. Find the wrong number in the series:
2, 3, 6, 15, 45, 157.5, 630
(a) 15 (b) 45 (c) 157.5
(d) 6 (e) 3

Q32. Find the missing number in the series:
128, 64, 96, 240, 720, ?
(a) 216 (b) 252 (c) 1890
(d) 2340 (e) 2800

Directions for Questions 33–36 (Caselet DI):
Read the following passage carefully and answer the questions:

In a college, there are three departments: Science, Commerce, and Arts. Total students in the college are 1,200. The ratio of boys to girls in the college is 7: 5. 40%of the total students are in the Science department, out of which the ratio of boys to girls is 3: 2.
The number of students in the Commerce department is 25%of the total students, and the number of girls in Commerce is 120. The remaining students belong to the Arts department. The number of boys in Arts is equal to the number of girls in Commerce plus 50.

Q33. Find the total number of girls in the Arts department.
(a) 140 (b) 160 (c) 180
(d) 150 (e) 120

Q34. The total number of boys in the Commerce department is what percentage of the total number of students in the Science department?
(a) 33.33% (b) 41.67%
(c) 37.50% (d) 45.00%
(e) 50.00%

Q35. Find the ratio of total boys to total girls in the Commerce department.
(a) 3: 2 (b) 5: 4 (c) 4: 3
(d) 7: 5 (e) 6: 5

Q36. What is the difference between the total number of students in Science and Arts departments together and the total number of students in Commerce?
(a) 540 (b) 600
(c) 660 (d) 720 (e) 480

Directions for Questions 37–40 (Table DI):
The following table gives data regarding 4 different mobile models (P, Q, R, S) manufactured by a company in 2025. Some values are missing. Analyze the given rules to answer:

Model	Total Units Manufactured	Percentage of Defective Units	Number of Sold Units
P	5,000	12%	—
Q	—	8%	3,680

Model	Total Units Manufactured	Percentage of Defective Units	Number of Sold Units
R	6,000	—	4,800
S	4,500	10%	3,825

Q37. For Model P, how many units were sold if all non-defective units were sold?
(a) 4,200 (b) 4,400 (c) 4,500
(d) 4,600 (e) 4,300

Q38. For Model Q, if the number of defective units is equal to 8%of total units manufactured, what was the total number of units manufactured for Model Q?
(a) 4,000 (b) 4,200
(c) 4,500 (d) 4,800 (e) 5,000

Q39. For Model R, if the number of defective units is 150less than the number of defective units in Model P, what is the percentage of defective units for Model R?
(a) 3.5% (b) 4.0% (c) 7.5%
(d) 5.0% (e) 2.5%

Q40. What is the average number of sold units across all four models (P, Q, R, S), assuming all non-defective units for Model P and Q's total manufactured values from Q38 are sold?
(a) 4,125 (b) 4,200 (c) 4,150
(d) 4,250 (e) 4,050

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