

10 Important MCQ on Limit of Quantification And Simplification (Part-3) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

Directions (Q1-5): In these questions, two equations numbered I and II are given. You have to solve both the equations and give answer:

(a) if $x < y$ (b) if $x > y$

(c) if $x \leq y$

(d) if $x \geq y$

(e) if $x = y$ or relationship between x and y cannot be determined

Q1. I. $x^2 - 9x + 18 = 0$

II. $5y^2 - 22y + 24 = 0$

Q2. I. $6x^2 + 11x + 5 = 0$

II. $2y^2 + 5y + 3 = 0$

Q3. I. $x^2 + 10x + 24 = 0$

II. $y^2 - \sqrt{625} = 0$

Q4. I. $10x^2 + 11x + 1 = 0$

II. $15y^2 + 8y + 1 = 0$

Q5. I. $15x^2 - 11x + 2 = 0$

II. $10y^2 - 9y + 2 = 0$

Q6. 180% of 25501 + 50% of 28999 = ?

(a) 62400

(b) 64000

(c) 60400

(d) 64200

(e) 60600

Q7. $171.995 \times 14.995 \div 25 = ?$

(a) 103

(b) 115

(c) 110

(d) 125

(e) 118

Q8. $175 \times 28 + 275 \times 27.98 = ?$

(a) 11800

(b) 12600

(c) 12800

(d) 11600

(e) 16200

Q9. $324.995 \times 15.98 \div 4.002 + 36.88 = ?$

(a) 1300

(b) 1230

(c) 1340

(d) 1380

(e) 1390

Q10. $1164 \times 128 \div 8.008 + 969.007 = ?$

(a) 18800

(b) 19393

(c) 19593

(d) 19200

(e) 20293

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10 Important MCQ on Limit of Quantification And Simplification (Part-2) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

Directions (Q.1-5): In the following questions two equations numbered I and II are given. You have to solve both the equations and give answer

(a) if $x < y$ (b) if $x > y$

(c) if $x \leq y$

(d) if $x \geq y$

(e) if $x = y$ or relationship between x and y cannot be determined

Q1. I. $\sqrt{x} - \sqrt{6}/\sqrt{x} = 0$

II. $y^3 - 6^{(3/2)} = 0$

Q2. I. $3x - 2y = 10$

II. $5x - 6y = 6$

Q3. I. $x^2 + x - 12 = 0$

II. $y^2 - 5y + 6 = 0$

Q4. I. $x^2 + 9x + 18 = 0$

II. $y^2 - 13y + 40 = 0$

Q5. I. $\sqrt{(x+6)} = \sqrt{121} - \sqrt{36}$

II. $y^2 + 112 = 473$

Q6. $\sqrt{624.98} + \sqrt{729.25} = ?$

(a) 58

(b) 56

(c) 52

(d) 61

(e) 62

Q7. 69.008% of 699.98 + 32.99% of 399.999 = ?

(a) 615

(b) 645

(c) 675

(d) 715

(e) 815

Q8. (9321 + 5406 + 1001) ÷ (498 + 929 + 660) = ?

(a) 13.5

(b) 4.5

(c) 2.5

(d) 7.5

(e) 21.5

Q9. 63.5% of 8924.2 + ?% of 5324.4 = 6827.5862

(a) 36

(b) 52

(c) 13

(d) 21

(e) 41

Q10. 67% of 801 - 231.17 = ? - 23% of 789

(a) 490

(b) 440

(c) 540

(d) 520

(e) 590

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10 Important MCQ on Limit of Quantification And Simplification (Part-1) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

Q1.

I. $7x + 6y + 4z = 122$

II. $4x + 5y + 3z = 88$

III. $9x + 2y + z = 78$

(a) $x < y = z$

(b) $x < y < z$

(c) $x < y > z$

(d) $x = y > z$

(e) $x = y = z$ or if none of the above relationship is established

Q2.

I. $7x + 6y = 110$

II. $4x + 3y = 59$

III. $x + z = 15$

(a) $x < y = z$

(b) $x < y < z$

(c) $x < y > z$

(d) $x = y > z$

(e) $x = y = z$ or if none of the above relationship is established

Q3.

I. $x = ((36)^{1/2} \times (1296)^{1/4})^{1/2}$

II. $2y + 3z = 33$

III. $6y + 5z = 71$

(a) $x < y = z$

- (b) $x < y < z$
- (c) $x < y > z$
- (d) $x = y > z$
- (e) $x = y = z$ or if none of the above relationship is established

Q4.

I. $8x + 7y = 135$

II. $5x + 6y = 99$

III. $9y + 8z = 121$

- (a) $x < y = z$
- (b) $x < y < z$
- (c) $x < y > z$
- (d) $x = y > z$
- (e) $x = y = z$ or if none of the above relationship is established

Q5.

I. $(x + y)^3 = 1331$

II. $x - y + z = 0$

III. $xy = 28$

- (a) $x < y = z$
- (b) $x < y < z$
- (c) $x < y > z$
- (d) $x = y > z$
- (e) $x = y = z$ or if none of the above relationship is established

Q6. 56% of $958 + 67\%$ of $1008 = ?\%$ of 2000

- (a) 60.592
- (b) 47.622
- (c) 42.86
- (d) 91.455
- (e) 65.092

Q7. $\sqrt{5929} + \sqrt{8464} = (?)$ square

- (a) 11
- (b) 19

- (c) 13
- (d) 21
- (e) 23

Q8. $(47 \times 588) \div (28 \times 120) = ?$

- (a) 6.284
- (b) 7.625
- (c) 8.225
- (d) 8.285
- (e) 82.25

Q9. $\frac{5}{8}$ of $\frac{4}{9}$ of $\frac{3}{5}$ of 222=?

- (a) 42
- (b) 43
- (c) 39
- (d) 37
- (e) 47

Q10. $74156 - ? - 321 - 20 + 520 = 69894$

- (a) 3451
- (b) 4441
- (c) 5401
- (d) 4531
- (e) 4414

[Click Here For Answers](#)

[10 Important MCQ on Linear Quadratic Equation \(Part-2\)](#)

For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

Direction (1- 10): In the following questions, two equations numbered I and II are given. You have to solve both questions and give answer among the following options.

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

Q1. I. $2x^2 - x - 241 = 0$
II. $2y^2 + 43y + 241 = 0$

Q2. I. $\sqrt{2}x^2 + 7\sqrt{2}x + 12\sqrt{3} = 0$
II. $5y^2 - 66y - 56 = 0$

Q3. I. $55x^2 - 495x + 1100 = 0$
II. $5y^2 + 10y - 120 = 0$

Q4. I. $9x^2 - 94.5x + 243 = 0$
II. $4.5y^2 - 13.5x - 486 = 0$

Q5. I. $x^2 - 87x - 270 = 0$
II. $7y^2 - 11y - 18 = 0$

Q6. I. $x^2 - 19x + 84 = 0$
II. $y^2 - 25y + 156 = 0$

Q7. I. $x^3 - 468 = 1729$
II. $y^2 - 1733 + 1564 = 0$

Q8. I. $\frac{9}{\sqrt{x}} + \frac{19}{\sqrt{x}} = \sqrt{x}$
II. $y^5 - \frac{(2 \times 14)^{11/2}}{\sqrt{y}} = 0$

Q9. I. $x^2 - 11x + 24 = 0$
II. $2y^2 - 9y + 9 = 0$

Q10. I. $\sqrt{500}x + \sqrt{402} = 0$
II. $\sqrt{360}y + (200)^{1/2} = 0$

10 Important MCQ on Linear Quadratic Equation (Part-1)
For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

1.I. $4x^2 + 3x - 27 = 0$,

II. $3y^2 - 20y + 32 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

2) I. $4x^2 + 19x + 21 = 0$,

II. $3y^2 - 19y - 14 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

3)I. $4x^2 - 9x - 9 = 0$,

II. $15y^2 - 29y + 12 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

4)I. $3x^2 - 5x - 12 = 0$,

II. $3y^2 - 8y - 16 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

5)I. $3x^2 + 2x - 21 = 0$,

II. $3y^2 - 19y + 28 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

6)I. $5x^2 + 11x - 12 = 0$

II. $3y^2 - 19y + 28 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

7)I. $3x^2 - 25x + 52 = 0$,

II. $3y^2 - 10y - 8 = 0$

A) $x > y$

B) $x < y$

C) $x \geq y$

D) $x \leq y$

E) $x = y$ or relationship cannot be determined

8)I. $3x^2 + 7x - 6 = 0$,

II. $4y^2 - 13y - 12 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

9) I. $3x^2 + 2x - 8 = 0$,

II. $3y^2 - 14y + 16 = 0$

A) If $x > y$

B) If $x < y$

C) If $x \geq y$

D) If $x \leq y$

E) If $x = y$ or relation cannot be established

10) I. $3x^2 + 28x + 60 = 0$,

II. $3y^2 + 37y + 114 = 0$

A) $x > y$

B) $x < y$

C) $x \geq y$

D) $x \leq y$

E) $x = y$ or relationship cannot be determined

[Click Here For Answers](#)

10 Important MCQ on Profit And Loss (Part-2) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

Q1. A shopkeeper sold a TV set for Rs. 17,940 with a discount of 8% and gained 19.6%. If no discount is allowed, then what will be his gain per cent?

(a) 25%

(b) 26.4%

(c) 24.8%

(d) 30%

Q2. If 7kg of tea of price Rs. 72/kg is blended with 33 kg of tea of Rs. 87/kg and 35 kg of Rs. 85/kg and the mixture is sold at 15% profit, then what is the selling price of the mixture?

- (a) Rs. 80.66/kg
- (b) Rs. 102.33/kg
- (c) Rs. 91.22/kg
- (d) Rs. 97.37/kg

Q3. A cash payment that will settle a bill for 250 chairs are Rs. 50 per chair less 20% and 15% with a further discount of 5% on cash payment is:

- (a) Rs. 8075
- (b) Rs. 7025
- (c) Rs. 8500
- (d) Rs. 8000

Q4. A sold an article to B at a profit of 20% B sold the same article to C at a loss of 25% of C sold the same article to D at a profit of 40%. If D paid Rs. 252 for the article, then find how much did A pay for it?

- (a) Rs. 175
- (b) Rs. 200
- (c) Rs. 180
- (d) Rs. 210

Q5. Rohan purchased a bike for Rs. 54000. He sold it at a loss of 8 per cent. With that money he again purchased another bike and sold it at a profit of 10 per cent. What is his overall loss/profit?

- (a) Loss of Rs. 657
- (b) Profit of Rs. 567
- (c) Loss of Rs. 648
- (d) Profit of Rs. 648

Q6. By selling an article at 80% of its marked price, a

merchant makes a loss of 12% what will be the per cent profit or loss made by the merchant if he sells the article at 95% of its marked price?

- (a) 5.5% profit
- (b) 1% loss
- (c) 5% profit
- (d) 4.5 profit

Q7. What is the maximum percentage discount that a merchant can offer on her marked price so that she ends up selling at no profit or loss, if she had initially marked her goods up by 50%

- (a) 16.67%
- (b) 20%
- (c) 50%
- (d) 33.33%

Q8. A machine is sold at a profit of 10%. Had it been sold for Rs. 40 less, there would have been a loss of 10%. What was the cost price?

- (a) Rs. 175
- (b) Rs. 200
- (c) Rs. 225
- (d) Rs. 250

Q9. Even after reducing the marked price of a transistor by Rs. 32, a shopkeeper makes a profit of 15%. If the cost price be Rs. 320, what percentage of profit would he have made if he had sold the transistor at the marked price?

- (a) 25%
- (b) 20%
- (c) 10%
- (d) 15%

Q10. A horse and a carriage together cost Rs. 8,000. If by selling the horse at a profit of 10%, and the carriage at a loss of 10%; a total profit of 2.5% is made, then what is the cost price of the horse?

- (a) Rs. 3,000
- (b) Rs. 3,500
- (c) Rs. 4,000
- (d) Rs. 5,000

[Click Here For Answers](#)

10 Important MCQ on Profit And Loss (Part-1) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

1. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
 - A. 15
 - B. 16
 - C. 18
 - D. 25

2. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?
 - A. 30%
 - B. 70%
 - C. 100%
 - D. 250%

3. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

- A. 3
- B. 4
- C. 5
- D. 6

4. The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?

- A. Rs. 2000
- B. Rs. 2200
- C. Rs. 2400
- D. Data inadequate

5. A shopkeeper expects a gain of 22.5% on his cost price. If in a week, his sale was of Rs. 392, what was his profit?

- A. Rs. 18.20
- B. Rs. 70
- C. Rs. 72
- D. Rs. 88.25

6. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?

- A. Rs. 1090
- B. Rs. 1160
- C. Rs. 1190
- D. Rs. 1202

7. Sam purchased 20 dozens of toys at the rate of Rs. 375 per dozen. He sold each one of them at the rate of Rs. 33. What was his percentage profit?

- A. 3.5
- B. 4.5
- C. 5.6
- D. 6.5

8. Some articles were bought at 6 articles for Rs. 5 and sold at 5 articles for Rs. 6. Gain percent is:

- A. 30%
- B. 33.33%
- C. 35%
- D. 44%

9. On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

- A. Rs. 45
- B. Rs. 50
- C. Rs. 55
- D. Rs. 60

10. When a plot is sold for Rs. 18,700, the owner loses 15%. At what price must that plot be sold in order to gain 15%?

- A. Rs. 21,000
- B. Rs. 22,500
- C. Rs. 25,300
- D. Rs. 25,800

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[10 Important MCQ on Percentage \(Part-3\) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018](#)

1. If the growth in production in company A from 1994 to 1995 was 25% and that from 1995 to 1996 was 60%, then what percentage growth took place from 1994 to 1996?

(a) 80

(b) 120

(c) 90

(d) 100

2. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

(a) 2700

(b) 2900

(c) 3000

(d) 3100

3. Gauri went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

(a) Rs. 15

(b) Rs. 15.70

(c) Rs. 19.70

(d) Rs. 20

4. Sameer spends 20% of his monthly salary on house rent, 25% on food, 10% on transportation, 15% on the education of his children, and 18% on other household expenses. He saves the remaining amount of Rs. 4800 at the end of the month. What is his monthly salary?

(a) 45000

(b) 50000

(c) 40000

(d) 55000

5. In an election between two candidates, the winner secured 58% of the total votes cast and wins by a majority of 2400 votes. How many votes did the losing candidate get?

(a) 6400

(b) 4800

(c) 4200

(d) 6300

6. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

(a) 1

(b) 14

(c) 20

(d) 21

7. If $A = x\%$ of y and $B = y\%$ of x , then which of the following is true?

(a) A is smaller than

B .

(b) A is greater

than B

(c) Relationship between A and B cannot be determined.

(d) A is equal to B

8. In summer, the length, breadth and height of a cuboid increases by 10%, 10% and 20% respectively. Find the percentage increase in cuboid's volume.

(a) 33.2

(b) 45.2

(c) 36

(d) 40

9. 450% of a number is 4725. What is 82% of that number?

(a) 682

(b) 900

(c) 1050

(d) 861

10. Find the value of X from 44% of $85 + 12\%$ of $105 - X = 49$

(a) 1

(b) 0

(c) 291

(d) none of these

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10 Important MCQ on Percentage (Part-2) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

1. Prerna decided to donate 30% of her monthly income to orphanages. But on the day of donation, she changed her mind and donated Rs. 4200, which is 70% of what she had earlier decided. What should be her actual donation as per her earlier decision?

- (a) 8000
(b) 10000
(c) 7000
(d) 6000

2. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- (a) 588 apples
(b) 600 apples
(c) 672 apples
(d) 700 apples

3. If 20% of $a = b$, then $b\%$ of 20 is the same as:

- (a) 4% of a
(b) 5% of a
(c) 20% of a
(d) None of these

4. Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B.

- (a) 2 : 3 B.

(b) 1 : 1

(c) 3 : 4 D.

(d) 4 : 3

5. A student multiplied a number by 3 by 5 instead of 5 by 3. What is the percentage error in the calculation?

(a) 34%

(b) 44%

(c) 54%

(d) 64%

6. Rajeev buys goods worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.

(a) Rs. 6876.10

(b) Rs. 6999.20

(c) Rs. 6654

(d) Rs. 7000

7. In an election between two candidates one got 52% of the total valid votes, 25% of the total votes were invalid. The total number of votes was 7200, the number of valid votes that the other candidate got was.

(a) 2592

(b) 2808

(c) 2804

(d) 2608

8. Mrs. Sinha spends 18% of her monthly income for the children's education, 32% in household expenses, 12% in travelling and 25% in gambling and manages to save only Rs. 9,405 at the end of the month. What is Mrs. Sinha's monthly income?

(a) 66728

(b) 52348

(c) 72346

(d) Cannot be determined

9. Arvind after spending 25th of his income saves the rest. Out of this saving he keeps 30% in the house and deposits the rest in the bank. If he deposited Rs. 2800 this month, what is his monthly income?

(a) 5000

(b) 3333.33

(c) 1176

(d) 6666.67

10. A is five times as large as B. The percent that B is less than A is:

(a) 20

(b) 80

(c) 32

(d) 70

[Click Here For Answers](#)

10 Important MCQ on Percentage (Part-1) For SBI Clerical Canara Bank PO DMRC Railway Exam 2018

1. Sameer spends 20% of his monthly salary on house rent, 25% on food, 10% on transportation, 15% on the education of his children, and 18% on other household expenses. He saves the remaining amount of Rs. 4800 at the end of the month. What is his monthly salary?

(a) 36000

(b) 40000

(c) 42000

(d) 48000

2. The price of a car is Rs. 5,00,000. It was insured for 90% of its price. The car got completely damaged and the insurance company paid only 80% of the insured amount. What is the price of the difference between the price of the car and the amount of insurance received?

(a) 140000

(b) 160000

(c) 180000

(d) 126000

3. : In a college election between 2 students, 10% of the votes cast is invalid. The winner gets 70% of the valid votes and defeats the loser by 1800 votes. How many votes were cast in total?

(a) 5400

(b) 3600

(c) 5000

(d) 6000

4. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

(a) 39, 30

(b) 41, 32

(c) 42, 33

(d) 43, 34

5. In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is of the number of students of 8 years of age which is 48. What is the total number of students in the school?

(a) 72

(b) 80

(c) 120

(d) 100

6. Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?

(a) 57%

(b) 60%

(c) 65%

(d) 90%

7. Two tailors X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week?

(a) Rs. 200

(b) Rs. 250

(c) Rs. 300

(d) None of these

8. A man spends 30% of his income on food, 12% on house rent, 28% on miscellaneous. If his savings at the end of a month is Rs. 8100, than the man's total income is

(a) 32000

(b) 36000

(c) 27000

(d) 40000

9. A sum of Rs. 817 is divided among Amit, Banti and Chintamani such that 'Amit' receives 25% more than 'Banti' and 'Banti' receives 25% less than 'Chintamani'. What is the 'Amit' share in the amount?

(a) 273

(b) 249

(c) 285

(d) 305

10. Punnag scored 175 marks in a test and failed by 35 marks. If the passing percentage of the test is 35 per cent, what are the maximum marks of the test?

(a) 750

(b) 800

(c) 700

(d) 600

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