Quadratic equations

Previous year questions

Directions : In the following question **two equations numbered I and II** are given. You have to solve both the equations and give answer thereof.

Q1.

I. $p^2 + 5p + 6 = 0$

II. $q^2 + 3q + 2 = 0$

(a) p is greater, than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q2.

I. $p^2 = 4$

II. $q^2 + 4q = -4$

(a) p is greater, than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q3.

I. $p^2\ 4\ p = 56.$

II. $q^2 - 17q + 72 = 0$

(a) p is greater, than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q4.

I. $3p + 2q - 58 = 0$

II. $4q + 4p = 92$

(a) p is greater, than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q5.

I. $3p^2 + 17p + 10 = 0$

II. $10q^2 + 9q + 2 = 0$

(a) p is greater, than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q6.

I. $4x^2 - 8x + 3 = 0$

II. $2y^2 - 7y + 6 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q7.

I. $x^2 + x - 6 = 0$

II. $2y^2 - 13y + 21 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q8.

I. $x^2 - x - 6 = 0$

II. $2y^2 + 13y + 21 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q9.

I. $x^2 = 4$

II. $y^2 + 6y + 9 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q10.

I. $2x + 3y = 4$

II. $3x + 2y = 11$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q11.

I. $4x + 2y = 51$

II. $15y + 13x = 221$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q12.

I. $8x^2 + 3x = 38$

II. $6y^2 + 34 = 29y$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q13.

I. $x^2 + 91 = 20x$

II. $10y^2 - 29y + 21 = 0$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q14.

I. $6x^2 + 13x + 5 = 0$. **II.** $9y^2 + 22y + 8 = 0$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q15.

I. $(x+y)^2 = 784$

II. $92551 = 92567 - y$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q16.

I. $x^2 - 14x + 48 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q17.

I. $x^2 + 9x + 20 = 0$

II. $y^2 + 7y + 12 = 0$:

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q18.

I. $x^2 = 529$

II. $Y^2 = \sqrt{529}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q19.

I. $x^2 + 13x = -42$

II. $y^2 + 16y + 63 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q20.

I. $2x + 3y$

II. $4x + 2y = 16$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q21.

I. $x^2 - 1 = 0$

II. $y^2 + 4y + 3 = 0$.

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q22.

I. $x^2 - 7x + 12 = 0$

II. $y^2 - 12y + 32 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q23.

I. $x^3 - 371 = 629$

II. $y^3 - 543 = 788$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q24.

I. $5x + 2y = 31$.

II. $3x + 7y = 36$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q25.

I. $2x^2 + 11x + 12 = 0$

II. $5y^2 + 27y + 10 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q26.

I. $2x^2 + 11x + 14 = 0$

II. $4y^2 + 12y + 9 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q27.

I. $x^2 - 4 = 0$

II. $Y^2 + 6y + 9 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q28.

I. $x^2 - 7x + 12 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q29.

I. $x^2 = 729$

II. $y = \sqrt{729}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q30.

I. $x^4 - 227 = 398$

II. $y^2 + 321 = 346$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q31.

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

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q32.

I. $x^2 - 8x + 15 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q33.

I. $x^2 - 32 = 112$

II. $y - \sqrt{169} = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q34.

I. $x - \sqrt{121} = 0$

II. $y^2 - 121 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q35.

I. $x^2 - 16 = 0$

II. $y^2 - 9y + 20 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q36.

I. $3x + 8x + 4 = 0$

II. $4y^2 - 19y + 12 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q37.

I. $x^2 + x - 20 = 0$

II. $y^2 - y - 30 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q38.

I. $x^2 - 365 = 364$

II. $y - \sqrt{324} = \sqrt{81}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q39.

I. $225x^2 - 4 = 0$

II. $\sqrt{225}y + 2 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q40.

Directions (43-47) : In the following questions **two equations numbered I and II** are given. you have to solve both the equations and —**Give answer**

I. $5x^2 - 18x + 9 = 0$

II. $20y^2 - 13y + 2 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q41.

I. $x^3 - 878 = 453$

II. $y^2 - 82 = 39$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q42.

I. $9x - 15.45 = 54.55 + 4x$

II. $\sqrt{(y + 155)} - \sqrt{36} = \sqrt{49}$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q43.

I. $x^2 + 11x + 30 = 0$

II. $y^2 + 7y + 12 = 0$

(a) x > y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q44.

I. 3x - 2y = 10

II. 5x - 6y = 6

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q45.

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

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q46.

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

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q47.

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

II. $y^2 + 112 = 473$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q48.

I. $x^2 - 1200 = 244$

II. $y + 122 = 159$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q49.

I. 14x - 25 = 59 - 7x

II. $\sqrt{(y + 222)} - \sqrt{36} = \sqrt{81}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q50.

I. $144x^2 - 16 = 9$

II. I2y + 74 = $\sqrt{49}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q51.

I. $x^2 - 9x + 20 = 0$

II. $y^2 - 13y + 42 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q52.

2x + 3y = 78 and 3x + 2y = 72 , what **is** value of x + y ?

(a) 36

(b) 32

(c) 30

(d) Cannot be determined

(e) None of these

Q53.

I. $20x^2 - x - 12 = 0$

II. $20y^2 + 27y + 9 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q54.

I. $x^2 - 218 = 106$

II. $y^2 - 37y + 342 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q55.

I. $\sqrt{361}x + \sqrt{16} = 0$

II. $\sqrt{441}y + 4 = 0$ 152

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q56.

I. $\sqrt{(x + 18)} = \sqrt{144} - \sqrt{49}$

II. $y^2 + 409 = 473$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q57.

I. $x^2 - 7x + 12 = 0$

II. $y^2 - 9y + 20 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q58.

I. $y^2 - x^2 = 32$

II. y - x = 2

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q59.

I. 3x + 5y = 28

II. 8x - 3y = 42

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q60.

I. $\sqrt{289}x + \sqrt{25} = 0$

II. $\sqrt{676}y + 10 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q61.

I. $8x^2 - 78x + 169 = 0$

II. $20y^2 - 117y + 169 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q62.

I. $x^2 - 208 = 233$

II. $y^2 - 47 + 371 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q63.

I. $x^2 - 11x + 24 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q64.

I. $x^3 \times 13 = x^2 \times 247$

II. $y^{1/3} \times 14 = 294 \div y^{2/3}$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q65.

I. $\sqrt{500}x + \sqrt{402} = 0$

II. $\sqrt{360}y + (200)^{1/2} = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q66.

I . $(17)^2 + 144 \div 18 = x$

II. $(26)^2 - 18 \times 21 = y$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q67.

I. $16x^2 + 20x + 6 = 0$

II. $10y^2 + 38y + 24 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q68.

I. $18x^2 + 18x + 4 = 0$

II. $12y^2 + 29y + 14 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q69.

I. $8x^2 + 6x = 5$

II. $12y^2 - 22y + 8 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q70.

I. $17x^2 + 48x = 9$

II. $13y^2 = 32y - 12$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q71.

I. $4x + 7y = 209$

II. $12x - 14y = -38$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q72.

I. $\sqrt{901}\, x + \sqrt{1295} = 0$

II. $(257)^{1/4} y + (217)^{1/3} = 0$

(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q73.
$(x^{1/4} \div 16)^2 = 144 \div x^{3/2}$
II. $y^{1/3} \times y^{2/3} \times 3104 = 16 \times y^2$
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q74.

I. $3x^2 - 19x + 28 = 0$
II. $5y^2 - I8y + 16 = 0$
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established89.I. $\sqrt{l225}$ x + $\sqrt{4900}$ = 0II.(81)1/4 y +(343)1/3 =0

Q75.
I. $\sqrt{l225}$ x + $\sqrt{4900}$ = 0
II.$(81)^{1/4}$ y +$(343)^{1/3}$ =0
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q76.
I. $12x^2 + 11x + 12 = 10x^2 + 22x$
II. $13y^2 - 18y + 3 = 9y^2 - 10y$
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q77.
I.$\sqrt{(25x^2)}$ -125 = 0
II.$\sqrt{361}y$ + 95 = 0
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q78.

I.x^2 -19x + 84 = 0
II.y^2-25y + 156 = 0
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q79.
I.x^3-468 = 1729
II.y^2 -1733 + 1564 = 0
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q80.
I.$\sqrt{784}$x + 1234 = 1486
II.$\sqrt{1089}$ y + 2081 = 2345
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q81.

I. 5x + 2y = 96
II. 3(7x + 5y) =489
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q82.

I. $(441)^{1/2}$ x^2 - 111 = $(15)^2$
II.$\sqrt{121}$ y^2 + $(6)^3$ = 260
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or relationship between x and y cannot be established

Q83.

I. 17x = $(13)^2$ + $\sqrt{196}$ + $(5)^2$ +4x
II. 9y - 345 = 4y - 260
(a) x> y
(b) x ≥ y
(c) x < y
(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q84.

I.$3x^2 - 13x + 14 = 0$

II. $y^2 - 7y + 12 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q85.

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

II. $Y^2 + 7y + 12 = 0$

(a) x ≥ y

(b) x > y

(c) x ≤ y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q86.

I. $x^2 + 20 = 9x$

II. $y^2 + 42 = 13y$

(a) x ≥ y

(b) x > y

(c) x ≤ y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q87.

I. $2x + 3y = 14$

II. $4x + 2y = 16$

(a) x ≥ y

(b) x > y

(c) x ≤ y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q88.

I. $x = \sqrt{625}$

II. $y = \sqrt{676}$

(a) x ≥ y

(b) x > y

(c) x ≤ y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q89.

I. $x^2 + 4x + 4 = 0$

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

(a) x ≥ y

(b) x > y

(c) x ≤ y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q90.

I. $x^2 - 24x + 144 = 0$

II. $y^2 - 26y + 169 = 0$

(a) x < y

(b) x > y

(c) x = y

(d) x ≥ y

(e) x ≤ y

Q91.

I. $2x^2 + 3x - 20 = 0$

II. $2y^2 + 19y + 44 = 0$

(a) x < y

(b) x > y

(c) x = y

(d) x ≥ y

(e) x ≤ y

Q92.

I.$6x^2 + 77x + 121 = 0$

II. $y^2 + 9y - 22 = 0$

(a) x < y

(b) x > y

(c) x = y

(d) x ≥ y

(e) x ≤ y

Q93.

I. $x^2 - 6x = 7$

II. $2y^2 + 13y + 15 = 0$

(a) x < y

(b) x > y

(c) x = y

(d) x ≥ y

(e) x ≤ y

Q94.

I. $10x^2 - 7x + 1 = 0$

II. $35y^2 - 12y + 1 = 0$

(a) x < y

(b) x > y

(c) x = y

(d) x ≥ y

(e) x ≤ y

Q95.

I. $4x^2 - 32x + 63 = 0$

II. $2y^2 - 11y + 15 = 0$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y or no relation between two can be established.

Q96.

I. $x^3 = (216^{1/3})^3$

II.$6y^2 = 150$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y or no relation between two can be established.

Q97.

I. $12x^2 + 17x + 6 = 0$

II. $6y^2 + 5y + 1 = 0$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y or no relation between two can be established.

Q98.

I. $20x^2 + 9x + 1 = 0$

II. $30y^3 + 11y + 1 = 0$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y or no relation between two can be established.

Q99.

I. $x^2 + 17x + 72 = 0$

II. $y^2 + 19y + 90 = 0$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y or no relation between two can be established.

Q100.

I. $6x^2 + 23x + 20 = 0$

II. $6y^2 + 31y + 35 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q101.

I. $x^2 = 81$

II. $y^2 - 18y + 81 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q102.

I. $4x^2 + 20x + 21 = 0$

II. $2y^2 + 17y + 35 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q103.

I. $x^2 - 14x + 48 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q104.

I. $38x^2 - 3x - 11 = 0$

II. $28y^2 + 32y + 9 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q105.

I. $9x^2 - 27x + 8 = 0$

II. $4y^2 - 13y + 3 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship cannot be established between them

Q106.

I. $x^2 - 28x + 196 = 0$

II. $y^2 = 196$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship cannot be established between them

Q107.

I. $6x^2 + 41x + 63 = 0$

II. $12y^2 + 55y + 63 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship cannot be established between them

Q108.

I. $x^2 - 4x - 21 = 0$

II. $y^3 - 4y - 32 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship cannot be established between them

Q109.

I. $4x^2 + 11x + 6 = 0$

II. $2y^2 + 11y + 15 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship cannot be established between them

Q110.

I. $2x^2 - 23x - 20 = 0$

II. $2y^2 - 3y - 189 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established

Q111.

I. $x^2 + 30x + 81 = 0$

II. $y^2 - 9y - 162 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established

Q112.

I. $4x^2 - 25x + 39 = 0$

II. $18y^2 - 15y + 3 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established

Q113.

I. $4x^2 - 15x - 46 = 0$

II. $6y^2 + 35y + 46 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established

Q114.

I. $3x^2 - 21x + 18 = 0$

II. $y^2 - 13y + 42 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established

Q115.

I. $2x^2 - 19x + 45 = 0$

II. $6y^2 - 48y + 90 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q116.

Directions: In the following question **two equations numbered I and II** are given. You have to solve both the equations and give answer thereof.

I. $2x^2 + 15x + 28 = 0$

II. $4y^2 + 18y + 14 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q117.

I. $2x^2 + 18x + 40 = 0$.

II. $2y^2 + 15y + 27 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q118.

I. $6x^2 - 29x + 35 = 0$

II. $3y^2 - 11y + 10 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q119.

I. $x^2 + 3x - 28 = 0$

II. $y^2 - y - 20 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q120.

I. $8x^2 + 26x + 15 = 0$

II. $4y^2 + 24y + 35 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or the relation cannot be established.

Q121.

I. $x^2 - 5x - 24 = 0$

II. $y^2 - 7y - 18 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) $x \le y$

(e) $x = y$ or the relation cannot be established.

Q122.

I. $6x^2 + 19x + 15 = 0$

II. $24y^2 + 11y + 1 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relation cannot be established.

Q123.

I. $9x^2 - 27x + 20 = 0$

II. $6y^2 - 5y + 1 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relation cannot be established.

Q124.

I. $x^2 - 6x + 9 = 0$

II. $y^2 - 11y + 24 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relation cannot be established.

Q125.

I. $2x^2 - x - 10 = 0$

II. $2y^2 - y - 21 = 0$

(a) $x \ge y$

(b) $x < y$

(c) $x > y$

(d) $x \le y$

(e) $x = y$ relationship between x and y cannot be established.

Q126.

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

II. $4y^2 + 22y + 24 = 0$

(a) $x \ge y$

(b) $x < y$

(c) $x > y$

(d) $x \le y$

(e) $x = y$ relationship between x and y cannot be established.

Q127.

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

II. $2y^2 + 17y + 36 = 0$

(a) $x \ge y$

(b) $x < y$

(c) $x > y$

(d) $x \le y$

(e) $x = y$ relationship between x and y cannot be established.

Q128.

I. $3x^2 - 22x + 40 = 0$

II. $2y^2 - 19y + 44 = 0$

(a) $x \ge y$

(b) $x < y$

(c) $x > y$

(d) $x \le y$

(e) $x = y$ relationship between x and y cannot be established.

Q129.

I. $3x^2 - 16x + 21 = 0$

II. $3y^2 - 28y + 65 = 0$

(a) $x \ge y$

(b) $x < y$

(c) $x > y$

(d) $x \le y$

(e) $x = y$ relationship between x and y cannot be established.

Q130.

I. $x^2 - 3x - 88 = 0$

II. $y^2 + 8y - 48 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relationship cannot be established.

Q131.

I. $5x^2 + 29x + 20 = 0$

II. $25y^2 + 25y + 6 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relationship cannot be established.

Q132.

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

II. $2y^2 - 19y + 44 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relationship cannot be established.

Q133.

I. $3x^2 + 10x + 8 = 0$

II. $3y^2 + 7y + 4 = 0$

(a) $x > y$

(b) $x \ge y$

(c) $x < y$

(d) $x \le y$

(e) $x = y$ or the relationship cannot be established.

Q134.

1. $2x^2 + 21 + 10 = 0$

II. $3y^2 + 13y + 14 = 0$

(a) $x > y$

(b) $x \ge y$

(c) x < y

(d) x ≤ y

(e) x = y or the relationship cannot be established.

Q135.

I. $2x^2 + 19x + 45 = 0$

II. $2y^2 + 11y + 12 = 0$

(a) x> y

(b) x > y

(c) x< y

(d) relationship between x and y cannot be determined

(e) x ≤ y

Q136.

I. $3x^2 - 13x + 12 = 0$

II. $2y^2 - 15y + 28 = 0$

(a) x > y

(b) x > y

(c) x < y

(d) relationship between x and y cannot be determined

(e) x ≤ y

Q137.

I. $x^2 = 16$

II. $2y^2 - 17y + 36 = 0$

(a) x > y

(b) x> y

(c) x < y

(d) relationship between x and y cannot be determined

(e) x < y

Q138.

I. $6x^2 + 19x + 15 = 0$

II. $3y^2 + 11y + 10 = 0$

(a) x > y

(b) x > y

(c) x < y

(d) relationship between x and y cannot be determined

(e) x < y

Q139.

1. $2x^2 - 11x + 15 = 0$

II. $2y^2 - 11y + 14 = 0$

(a) x> y

(b) x> y

(c) x<y

(d) relationship between x and y cannot be determined

(e) x ≤ y

Q140.

1. $x^2 + x - 12 = 0$

II. $y^2 + 2y - 8 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x≤y

(e) x = y or the relationship cannot be established.

Q141.

I. $4x^2 - 13x + 9 = 0$

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

(a) x > y

(b) x ≥ y

(c) x < y

(d) x≤y

(e) x = y or the relationship cannot be established.

Q142.

I. $8x^2 + 18x + 9 = 0$

II. $4y^2 + 19y + 21 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x≤y

(e) x = y or the relationship cannot be established.

Q143.

I. $3x^2 + 16x + 21 = 0$

II. $6y^2 + 17y + 12 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x≤y

(e) x = y or the relationship cannot be established.

Q144.

168-

I. $x^2 = 49$

II. $y^2 - 4y - 21 = 0$

(a) x > y

(b) x ≥ y

(c) x < y

(d) x≤y

(e) x = y or the relationship cannot be established.

Q145.

I. $x^2 = 81$

II. $y^2 + 13y + 36 = 0$

(a) x≥ y

(b) x ≤ y

(c) x > y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q146.

I. $2x^2 - 11x + 14 = 0$

II. $2y^2 - 7y + 6 = 0$

(a) x≥ y

(b) x ≤ y

(c) x > y

(d) x < y

(e) x = y or relationship between x and y cannot be established

Q147.

1. $3x^2 - 13x + 14 = 0$
II. $3y^2 - 17y + 22 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or relationship between x and y cannot be established

Q148.

I. $2x^2 + 9x + 9 = 0$
II. $4y + 9y + 5 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or relationship between x and y cannot be established

Q149.

I. $x^2 - 7x + 12 = 0$
II. $2y^2 - 19y + 44 = 0$
(a) $x \geq y$
(b) $x \leq y$
(c) $x > y$
(d) $x < y$
(e) $x = y$ or relationship between x and y cannot be established

Q150.

I. $x^2 = 144$
II. $y^2 - 24y + 144 = 0$
(a) $x \leq y$
(b) $x \geq y$
(c) relationship between x and y cannot be determined
(d) $x < y$
(e) $x > y$

Q151.

1. $2x^2 - 9x + 10 = 0$
II. $2y^2 - 13y + 20 = 0$
(a) $x \leq y$
(b) $x \geq y$
(c) relationship between x and y cannot be determined
(d) $x < y$
(e) $x > y$

Q152.

1. $2x^2 + 15x + 27 = 0$
II. $2y^2 + 7y + 6 = 0$
(a) $x \leq y$
(b) $x \geq y$
(c) relationship between x and y cannot be determined
(d) $x < y$
(e) $x > y$

Q153.

I. $3x^2 - 13x + 12 = 0$
II. $3y^2 - 13y + 14 = 0$
(a) $x \leq y$
(b) $x \geq y$
(c) relationship between x and y cannot be determined
(d) $x < y$
(e) $x > y$

Q154.

I. $5x^2 + 8x + 3 = 0$
II. $3y^2 + 7y + 4 = 0$
(a) $x \leq y$
(b) $x \geq y$
(c) relationship between x and y cannot be determined
(d) $x < y$
(e) $x > y$

Q155.

I. $3x^2 - 22x + 40 = 0$
II. $5y^2 - 21y + 16 = 0$
(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or the relationship between x and y cannot be established.

Q156.

I. $25x^2 + 35x + 12 = 0$
II. $10y^2 + 9y + 2 = 0$
(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or the relationship between x and y cannot be established.

Q157.

I. $12x^2 + 7x + 1 = 0$
II. $6y^2 + 5y + 1 = 0$
(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or the relationship between x and y cannot be established.

Q158.

I. $3x^2 - 13x - 10 = 0$
II. $3y^2 + 10y - 8 = 0$
(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$

(e) x = y or the relationship between x and y cannot be established.

Q159.

I. $2x^2 - 21x + 52 = 0$

II. $2y^2 - 11y + 12 = 0$

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q160.

I. $3x^2 - 13x + 14 = 0$

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

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q161.

I. $4x^2 - 8x + 3 = 0$

II. $4y^2 - 15y + 14 = 0$

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q162.

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

II. $y^2 - 7y + 12 = 0$

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q163.

I. $4x^2 + 19x + 22 = 0$

II. $2y^2 + 11y + 15 = 0$

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q164.

I. $4q^2 + 8q = 4q + 8$

II. $p^2 + 9p = 2p - 12$

(a) x > y

(b) x ≤ y

(c) x ≥ y

(d) x < y

(e) Relationship between x and y cannot be established

Q165.

Directions: In the following question **two equations numbered I and II** are given. You have to solve both the equations and give answer1.$2x^2 - 7x + 6 = 0$

II. $4y^2 = 9$

(a) p = q

(b) p > q

(c) q > p

(d) p ≥ q and

(e) q ≥ p

Q166.

I. $4x^2 - 4x - 3 = 0$

II. $4y^2 + 12y + 5 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x > y

(e) x ≥ y

Q167.

I. $4x^2 = 49$

II. $9y^2 - 66y + 121 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x > y

(e) x ≥ y

Q168.

I. $x^2 + 9x + 14 = 0$

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

(a) x < y

(b) x ≤ y

(c) x = y

(d) x > y

(e) x ≥ y

Q169.

I. $9x^2 - 18x + 5 = 0$

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

(a) x < y

(b) x ≤ y

(c) x = y

(d) x > y

(e) x ≥ y

Q170.

1. $6p^2 + 5p + 1 = 0$

II. $20q^2 + 9q = -1$

(a) p is greater than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q171.

I. $3p^2 + 2p - 1 = 0$

II. $2q^2 + 7q + 6 = 0$

(a) p is greater than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q172.

I. $3P^2 + 15p = -18$

II. $q^2 + 7q + 12 = 0$

(a) p is greater than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q173.

I. $P = \sqrt{4}/\sqrt{9}$

II. $9q^2 - 12q + 4 = 0$

(a) p is greater than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q174.

I. $p^2 + 13p + 42 = 0$

II. $q^2 = 36$

(a) p is greater than q.

(b) p is smaller than q.

(c) p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q175.

I. $a^2 + 5a + 6 = 0$

II. $b^2 + 3b + 2 = 0$

(a) a < b

(b) a > b

(c) relationship between a & b cannot be established

(d) a ≥ b

(e) a ≤ b

Q176.

I. $2a^2 + 3a + 1 = 0$

II. $12b^2 + 7b + 1 = 0$

(a) a < b

(b) a > b

(c) relationship between a & b cannot be established

(d) a ≥ b

(e) a ≤ b

Q177.

I. $a^2 = 4$

II. $a^2 = 9$

(a) a < b

(b) a > b

(c) relationship between a & b cannot be established

(d) a ≥ b

(e) a ≤ b

Q178.

I. $6a^2 - 25a + 25 = 0$

II. $15b^2 - 16b + 4 = 0$

(a) a < b

(b) a > b

(c) relationship between a & b cannot be established

(d) a ≥ b

(e) a ≤ b

Q179.

I. $4a^2 - 20a + 21 = 0$

II. $2b^2 - 5b + 3 = 0$

(a) a < b

(b) a > b

(c) relationship between a & b cannot be established

(d) a ≥ b

(e) a ≤ b

Q180.

I. $p^2 + 24 = 10p$

II. $2q^2 + 18 = 12q$

(a) p = q

(b) p > q

(c) p < q

(d) p > q and

(e) q > p

Q181.

I. $q^2 + q = 2$

II. $p^2 + 7p + 10 = 0$

(a) p = q

(b) p > q

(c) p < q

(d) p > q and

(e) q > p

Q182.

I. $p^2 + 16 = 8p$

II. $4q^2 + 64 = 32q$

(a) p = q

(b) p > q

(c) p < q

(d) p > q and

(e) q > p

Q183.

I. $2p^2 + 12p + 16 = 0$

II. $2q^2 + 14q + 24 = 0;$

(a) p = q

(b) p > q

(c) p < q

(d) p > q and

(e) q > p

Q184.

I. $p^2 - 7p = -12$

II. $q^2 - 3q + 2 = 0$

(a) p < q

(b) p > q
(c) p ≤ q
(d) p ≥ q
(e) p = q

Q185.

I. $12p^2 - 7p = -1$
II. $6q^2 - 7q + 2 = 0$
(a) p < q
(b) p > q
(c) p ≤ q
(d) p ≥ q
(e) p = q

Q186.

I. $p^2 + 12p + 35 = 0$
II. $2q^2 + 22q + 56 = 0$
(a) p < q
(b) p > q
(c) p ≤ q
(d) p ≥ q
(e) p = q

Q187.

I. $p^2 - 8p + 15 = 0$
II. $q^2 - 5q = -6$
(a) p < q
(b) p > q
(c) p ≤ q
(d) p ≥ q
(e) p = q

Q188.

I. $2p^2 + 20p + 50 = 0$
II. $q^2 = 25$
(a) p < q
(b) p > q
(c) p ≤ q
(d) p ≥ q
(e) p = q

Q189.

I. $3x^2 + 14x + 15 = 0$
II. $6y^2 + 17y + 12 = 0$
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or the relationship cannot be established.

Q190.

I. $3x^2 - 17x + 24 = 0$
II. $4y^2 - 15y + 14 = 0$:
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or the relationship cannot be established.

Q191.

I. $2x^2 + 11x + 14 = 0$

II. $2y^2 + 17y + 33 = 0$
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or the relationship cannot be established.

Q192.

I. $3x^2 + 13x + 12 = 0$
II. $2y + 15y + 27 = 0$
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or the relationship cannot be established.

Q193.

I. $x^2 - 22x + 121 = 0$
II. $y^2 = 121$
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y
(e) x = y or the relationship cannot be established.

Q194.

I. $4x^2 + 17x + 15 = 0$
II. $3y^2 + 19y + 28 = 0$
(a) x ≥ y
(b) x ≤ y
(c) x > y
(d) x < y
(e) relationship be-tween x and y cannot be established

Q195.

I. $5x^2 - 17x + 22 = 0$.
II. $5y^2 - 21y + 22 = 0$
(a) x ≥ y
(b) x ≤ y
(c) x > y
(d) x < y
(e) relationship be-tween x and y cannot be established

Q196.

I. $3x^2 + 11x + 10 = 0$
II. $2y^2 + 13y + 21 = 0$
(a) x ≥ y
(b) x ≤ y
(c) x > y
(d) x < y
(e) relationship be-tween x and y cannot be established

Q197.

I. $3x^2 + 13x + 14 = 0$
II. $8y^2 + 26y + 21 = 0$
(a) x ≥ y
(b) x ≤ y

(c) x>y

(d) x < y

(e) relationship be-tween x and y cannot be established

Q198.

I. $3x^2 - 14x + 15 = 0$

II. $15y^2 - 34y + 15 = 0$

(a) x≥ y

(b) x ≤ y

(c) x>y

(d) x < y

(e) relationship be-tween x and y cannot be established

Q199.

I. $2x^2 + 23x + 63 = 0$

II. $4y^2 + 19y + 21 = 0$

(a) x<y

(b) x >y

(c) x ≤y

(d) x ≥y

(e) x = y or relationship between x and y cannot be established

Q200.

I. $3x^2 + 29x + 56 = 0$

II. $2y^2 + 15y + 25 = 0$

(a) x<y

(b) x >y

(c) x ≤y

(d) x ≥y

(e) x = y or relationship between x and y cannot be established

Q201.

I. $3x^2 + 23x + 44 = 0$

II. $3y^2 + 20y + 33 = 0$

(a) x<y

(b) x >y

(c) x ≤y

(d) x ≥y

(e) x = y or relationship between x and y cannot be established

Q202.

I. $4x^2 - 29x + 45 = 0$

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

(a) x<y

(b) x >y

(c) x ≤y

(d) x ≥y

(e) x = y or relationship between x and y cannot be established

Q203.

I. $2x^2 - 13x + 21 = 0$

II. $5y^2 - 22y + 21 = 0$

(a) x<y

(b) x >y

(c) x ≤y

(d) x ≥y

(e) x = y or relationship between x and y cannot be established

Q204.

I. $x^2 + 3x + 2 = 0$

II. $2y^2 = 5y$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y

Q205.

I. $2x^2 + 5x + 2 = 0$

II. $4y^2 = 1$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y

Q206.

I. $y^2 + 2y - 3 = 0$

II. $2x^2 - 7x + 6 = 0$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y

Q207.

I. $x^2 + 2x - 8 = 0$

II. $y^2 - 2 = 7$

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y

Q208.

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

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

(a) x < y

(b) x > y

(c) x ≤ y

(d) x ≥ y

(e) x = y

Q209.

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

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

(a) x> y

(b) x ≥ y

(c) x <y

(d) x ≤ y

(e) x =y or the relation-ship cannot be established

Q210.

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

II. $y^2 - 9y + 20 = 0$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or the relation-ship cannot be established

Q211.

I. $(x)^2 = 961 y = \sqrt{961}$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or the relation-ship cannot be established

Q212.

I. $x^2 - 72 = x$

II. $y^2 = 64$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or the relation-ship cannot be established

Q213.

I. $x^2 - 463 = 321$

II. $y^2 - 421 = 308$

(a) $x > y$

(b) $x \geq y$

(c) $x < y$

(d) $x \leq y$

(e) $x = y$ or the relation-ship cannot be established

Q214.

Directions: In the following question three equations numbered **I, II and III** are given. You have to solve both the equations and give answer thereof.

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

II. $4x + 5y + 3z = 881$

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

(a) $x < y = z$

(b) $x \leq y < z$

(c) $x < y > z$

(d) $x = y > z$

(e) $x = y = z$ or none of the above relationships established

Q215.

Directions: In the following question three equations numbered **I, II and III** are given. You have to solve both the equations and give answer thereof.

I. $7x + 6y = 110$

II. $4x + 3y = 591$

II. $x + z = 15$

(a) $x < y = z$

(b) $x \leq y < z$

(c) $x < y > z$

(d) $x = y > z$

(e) $x = y = z$ or none of the above relationships established

Q216.

Directions: In the following question three equations numbered **I, II and III** are given. You have to solve both the equations and give answer thereof.

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

II. $2y + 3z = 33$

II. $6y + 5z = 71$

(a) $x < y = z$

(b) $x \leq y < z$

(c) $x < y > z$

(d) $x = y > z$

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

Q217.

Directions: In the following question three equations numbered **I, II and III** are given. You have to solve both the equations and give answer thereof. $8x + 7y = 135$

II. $5x + 6y = 99$

II. $9y + 8z = 121$

(a) $x < y = z$

(b) $x \leq y < z$

(c) $x < y > z$

(d) $x = y > z$

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

Q218.

I. $30x^2 + 11x + 1 = 0$

II. $42y^2 + 13y + 1 = 0$

(a) $x < y$

(b) $x \leq y$

(c) $x = y$ or the relation cannot be established

(d) $x \geq y$

(e) $x > y$

Q219.

I. $x^2 - x - \sqrt{2}x + \sqrt{2} = 0$

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

(a) $x < y$

(b) $x \leq y$

(c) $x = y$ or the relation cannot be established

(d) $x \geq y$

(e) $x > y$

Q220.

I. $x^2 - 2x - \sqrt{5}x + 2\sqrt{5} = 0$

II. $y^2 - \sqrt{3}y - \sqrt{2}y + \sqrt{6} = 0$

(a) $x < y$

(b) $x \leq y$

(c) $x = y$ or the relation cannot be established

(d) $x \geq y$

(e) $x > y$

Q221.

I. $x^2 + 12x + 36 = 0$
II. $y^2 = 16$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q222.
I. $9x^2 + 3x - 2 = 0$
II. $8y^2 + 6y + 1 = 0$,
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q223.
I. $4x^2 + 16x + 15 = 0$
II. $4y^2 + 17y + 18 = 0$
(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or relationship between x and y cannot be established.

Q224.
I. $x^2 + 7x + 12 = 0$
II. $y^2 + 5y + 6 = 0$
(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or relationship between x and y cannot be established.

Q225.
I. $64x^2 - 64x + 15 = 0$
II. $21y^2 - 13y + 2 = 0$
(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or relationship between x and y cannot be established.

Q226.
I. $15x^2 - 19x + 6 = 0$
II. $45y^2 - 47y + 12 = 0$
(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or relationship between x and y cannot be established.

Q227.
I. $2x^2 + 5x + 2 = 0$
II. $12y^2 + 7y + 1 = 0$

(a) x < y
(b) x > y
(c) x ≤ y
(d) x ≥ y
(e) x = y or relationship between x and y cannot be established.

Q228.
I. $30x^2 + 11x + 1 = 0$
II. $42y^2 + 13y + 1 = 0$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q229.
I. $x^2 - x - y\sqrt{2}x + \sqrt{2} = 0$
II. $y^2 - 3y + 2 = 0$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q230.

I. $x^2 - 2x - \sqrt{5}x + 2\sqrt{5} = 0$
II. $y^2 - \sqrt{3}y - \sqrt{2}y + \sqrt{6} = 0$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q231.
I. $x^2 + 12x + 36 = 0$
II. $y^2 = 16$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q232.
I. $9x^2 + 3x - 2 = 0$
II. $8y^2 + 6y + 1 = 0$
(a) x < y
(b) x ≤ y
(c) x = y or the relation cannot be established
(d) x ≥ y
(e) x > y

Q233.
1. $2x^2 - 25x + 77 = 0$
II. $2y^2 - 21y + 55 = 0$
(a) x > y
(b) x ≥ y
(c) x < y
(d) x ≤ y

(e) x = y or the relationship cannot be established

Q234.

1. $2x^2 + 9x + 7 = 0$

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

(a) x>y

(b) x ≥y

(c) x<y

(d) x≤y

(e) x = y or the relationship cannot be established

Q235.

1. $9x^2 - 33x + 28 = 0$

II. $6y^2 - 25y + 25 = 0$

(a) x>y

(b) x ≥y

(c) x<y

(d) x≤y

(e) x = y or the relationship cannot be established

Q236.

1. $9x^2 - 36x + 35 = 0$

II . $2y^2 - 15y - 17 = 0$

(a) x>y

(b) x ≥y

(c) x<y

(d) x≤y

(e) x = y or the relationship cannot be established

Q237.

I. $x^2 + 7x + 12 = 0$

II. $2y^2 + 11y + 15 - 0$

(a) x>y

(b) x ≥y

(c) x<y

(d) x≤y

(e) x = y or the relationship cannot be established

Q238.

1. $2x^2 - 7x + 3 = 0$

II. $2y^2 - 7y + 6 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) relationship between x and y cannot be established.

Q239.

1. $4x^2 + 16x + 15 = 0$

II. $2y^2 + 3y + 1 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) relationship between x and y cannot be established.

Q240.

I. $9x^2 - 45x + 56 = 0$l

I. $4y^2 - 17y + 18 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) relationship between x and y cannot be established.

Q241.

1. $2x^2 + 11x + 14 = 0$

II. $2y^2 + 15y + 28 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) relationship between x and y cannot be established.

Q242.

I. $6x^2 + 11x + 14 = 0$

II. $4y^2 - 7y - 2 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) relationship between x and y cannot be established.

Q243.

I. $3x^2 + 7x + 2 = 0$

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

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) x=y or relationship between x and y cannot be established.

Q244.

I. $2x^2 - 13x + 21 = 0$

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

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) x=y or relationship between x and y cannot be established.

Q245.

I. $3x^2 - 14x + 15 = 0$

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

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e) x=y or relationship between x and y cannot be established.

Q246.

I. $3x^2 - 10x + 8 = 0$

II. $2y^2 - 11y + 15 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q247.

I. $x^2 = 25$

II. $y^2 - 6y + 9 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q248.

I. $x^2 = 10$

II. $y^2 - 9y + 20 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q249.

I. $2x^2 - 15x + 27 = 0$

II. $2y^2 - 13y + 20 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q250.

Directions: In the following question **two equations numbered I and II** are given. You have to solve both the equations and give answer thereof.

I. $9 x^2 - 2 1x + 10 = 0$

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

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q251.

I. $2x^2 - 13x + 15 = 0$

II. $2y^2 - 11y + 12 = 0$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q252.

I. $2x^2 + 7x + 6 = 0$

II. $2y^2 + 17y + 30 = 01$

(a) x< y

(b) x> y

(c) x ≥ y

(d) x ≤ y

(e)x=y or relationship between x and y cannot be established.

Q253.

I.$p^2 + 5p + 6 = 0$

II.$q^2 + 3q + 2 = 0$

(a) p is greater, than q.

(b)p is smaller than q.

(c)p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q254.

I. $p^2 = 4$

II. $q^2 + 4q = - 4$

(a) p is greater, than q.

(b)p is smaller than q.

(c)p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q255.

p^2 4 p = 56.

II. $q^2 - 17q + 72 = 0$

(a) p is greater, than q.

(b)p is smaller than q.

(c)p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q256.

I. $3p + 2q - 58 = 0$

II.$4q + 4p = 92$

(a) p is greater, than q.

(b)p is smaller than q.

(c)p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q257.

I. $3p^2 + 17p + 10 = 0$

II. $10q^2 + 9q + 2 = 0$

(a) p is greater, than q.

(b)p is smaller than q.

(c)p is equal to q.

(d) p is either equal to or greater than q.

(e) p is either equal to or smaller than q.

Q258.

I. $4x^2 - 8x + 3 = 0$

II. $2y^2 - 7y + 6 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q259.

I. $x^2 + x - 6 = 0$

II. $2y^2 - 13y + 21 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q260.

I. $x^2 - x - 6 = 0$

II. $2y^2 + 13y + 21 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q261.

I. $x^2 = 4$

II. $y^2 + 6y + 9 = 0$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q262.

I. $2x + 3y = 4$

II. $3x + 2y = 11$

(a) x < y

(b) x ≤ y

(c) x = y

(d) x ≥ y

(e) x > y

Q263.

I. $4x + 2y = 51$

II. $15y + 13x = 221$

(a) x> y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q264.

I. $8x^2 + 3x = 38$

II. $6y^2 + 34 = 29y$

(a) x> y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q265.

I. $x^2 + 91 = 20x$

II. $10y^2 - 29y + 21 = 0$

(a) x> y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q266.

I. $6x^2 + 13x + 5 = 0$. II. $9y^2 + 22y + 8 = 0$

(a) x> y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q267.

I. $(x+y)^2 = 784$

II. $92551 = 92567 - y$

(a) x> y

(b) x ≤ y

(c) x < y

(d) x ≥ y

(e) x = y or relationship between x and y cannot be established

Q268.

I. $x^2 - 14x + 48 = 0$

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

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q269.

I. $x^2 + 9x + 20 = 0$

II. $y^2 + 7y + 12 = 0$:

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q270.

I. $x^2 = 529$

II. $Y^2 = \sqrt{529}$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q271.
I. $x^2 + 13x = -42$
II. $y^2 + 16y + 63 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q272.

I. 2x+ 3y
II. 4x + 2y=16
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q273.
I. $x^2 - 1 = 0$
II. $y^2 + 4y + 3 = 0$.
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q274.
I. $x^2 - 7x + 12 = 0$
II. $y^2 - 12y + 32 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q275.
I. $x^3 - 371 = 629$
II. $y^3 - 543 = 788$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q276.
I. 5x + 2y = 31.
II. 3x+ 7y = 36
 (a) x> y
 (b) x ≥ y
 (c) x < y

(d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q277.
I. $2x^2 + 11x + 12 = 0$
II. $5y^2 + 27y + 10 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q278.
I. $2x^2 + 11x + 14 = 0$
II. $4y^2 + 12y + 9 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q279.
I. $x^2 - 4 = 0$
II. $Y^2 + 6y + 9 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q280.
I. $x^2 - 7x + 12 = 0$
II. $y^2 + y - 12 = 0$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q281.
I. $x^2 = 729$
II. $y = \sqrt{729}$
 (a) x> y
 (b) x ≥ y
 (c) x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q282.
I. $x^4 - 227 = 398$
II. $y^2 + 321 = 346$
 (a) x> y
 (b) x ≥ y
 (c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q283.

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

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

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q284.

I. $x^2 - 8x + 15 = 0$

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

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q285.

I. $x^2 - 32 = 112$

II. $y - \sqrt{169} = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q286.

I. $x - \sqrt{121} = 0$

II. $y^2 - 121 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q287.

I. $x^2 - 16 = 0$

II. $y^2 - 9y + 20 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q288.

I. $3x + 8x + 4 = 0$

II. $4y^2 - 19y + 12 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q289.

I. $x^2 + x - 20 = 0$

II. $y^2 - y - 30 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q290.

I. $x^2 - 365 = 364$

II. $y - \sqrt{324} = \sqrt{81}$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q291.

I. $225x^2 - 4 = 0$

II. $\sqrt{225}y + 2 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q292.

Directions (43-47) :In the following questions **two equations numbered I and II** are given. you have to solve both the equations and —**Give answer**

I. $5x^2 - 18x + 9 = 0$

II. $20y^2 - 13y + 2 = 0$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q293.

I. $x^3 - 878 = 453$

II. $y^2 - 82 = 39$

(a) x> y

(b) x ≥ y

(c) x < y

(d) x ≤ y

(e) x = y or relationship between x and y cannot be established

Q294.

I.9x- 15.45 = 54.55 +4x
II.$\sqrt{(y + 155)} - \sqrt{36} = \sqrt{49}$
 (a) x> y
 (b) x ≤ y
 (c)x < y
 (d) x ≥ y
 (e) x = y or relationship between x and y cannot be established

Q295.
I.$x^2 + 11x+ 30 = 0$
II.$y^2 + 7y + 12 = 0$
 (a) x> y
 (b) x ≤ y
 (c)x < y
 (d) x ≥ y
 (e) x = y or relationship between x and y cannot be established

Q296.
I. 3x- 2y = 10
II. 5x - 6y = 6
 (a) x> y
 (b) x ≥ y
 (c)x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q297.
I. $x^2 + x - 12 = 0$
II. $y^2 - 5y + 6 = 0$
 (a) x> y
 (b) x ≥ y

 (c)x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q298.
I. $x^2 + 9x+ 18 = 0$
II. $y^2 - 13y + 40 = 0$
 (a) x> y
 (b) x ≥ y
 (c)x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q299.
I.$\sqrt{(x + 6)} = \sqrt{l21}-\sqrt{36}$
II. $y^2 + 112 = 473$
 (a) x> y
 (b) x ≥ y
 (c)x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

Q300.
I.$x^2 - 1200 = 244$
II.y + 122 = 159
 (a) x> y
 (b) x ≥ y
 (c)x < y
 (d) x ≤ y
 (e) x = y or relationship between x and y cannot be established

ANSWERS :

1 e	2 d	3 b	4 a	5 b	6 b
7 a	8 e	9 e	10 e	11 a	12 b
13 a	14 e	15 c	16 a	17 d	18 e
19 b	20 c	21 b	22 d	23 c	24 a
25 e	26 c	27 a	28 b	29 d	30 e
31 b	32 a	33 c	34 a	35 d	36 c
37 d	38 d	39 e	40 a	41 b	42 e
43 c	44 a	45 d	46 c	47 b	48 e
49 a	50 d	51 c	52 c	53 b	54 d
55 c	56 e	57 d	58 c	59 a	60 c
61 b	62 e	63 b	64 c	65 c	66 c
67 b	68 d	69 c	70 a	71 e	72 a
73 c	74 a	75 a	76 b	77 a	78 d
79 b	80 a	81 a	82 e	83 c	84 c
85 a	86 d	87 d	88 b	89 d	90 a
91 d	92 e	93 b	94 d	95 b	96 b
97 a	98 c	99 d	100 c	101 d	102 b
103 a	104 b	105 e	106 b	107 d	108 e
109 a	110 a	111 e	112 a	113 b	114 d
115 b	116 d	117 e	118 a	119 c	120 b
121 c	122 c	123 a	124 e	125 e	126 e
127 c	128 d	129 c	130 a	131 c	132 b
133 c	134 e	135 c	136 c	137 e	138 b
139 d	140 b	141 a	142 a	143 c	144 d
145 a	146 a	147 b	148 d	149 b	150 a
151 b	152 d	153 c	154 b	155 d	156 c
157 b	158 e	159 c	160 a	161 d	162 b
163 e	164 d	165 d	166 e	167 e	168 a
169 b	170 b	171 a	172 d	173 e	174 e
175 e	176 a	177 c	178 b	179 d	180 b
181 e	182 a	183 d	184 b	185 a	186 c
187 d	188 c	189 c	190 a	191 a	192 b
193 e	194 c	195 a	196 c	197 d	198 a
199 a	200 a	201 d	202 e	203 c	204 a
205 c	206 b	207 a	208 d	209 d	210 b
211 e	212 b	213 e	214 a	215 c	216 b
217 d	218 b	219 b	220 d	221 a	222 c
223 e	224 c	225 b	226 d	227 a	228 b
229 b	230 d	231 a	232 c	233 b	234 e
235 c	236 e	237 b	238 e	239 a	240 b
241 c	242 a	243 c	244 a	245 c	246 b
247 e	248 b	249 e	250 b	251 c	252 a
253 e	254 d	255 b	256 a	257 b	258 b
259 a	260 e	261 e	262 e	263 a	264 b

265 a 266 e 267 c 268 a 269 d 270 e
271 b 272 c 273 b 274 d 275 c 276 a
277 e 278 c 279 a 280 b 281 d 282 e
283 b 284 a 285 c 286 a 287 d 288 c
289 d 290 d 291 e 292 a 293 b 294 e
295 c 296 a 297 d 298 c 299 b 300 e