

1. Find the value of unknown quantity '?'

1440, 240, ?, 12, 4, 2, 2

- (a) 50 (b) 48
(c) 46 (d) 42
(e) 60

Correct Choice: (b)

2. Read the instruction carefully and answer the question based on it.

Find the value of unknown quantity '?'

5, 7, 13, 43, 303, ?

- (a) 3430 (b) 3433
(c) 3435 (d) 3440
(e) 3450

Correct Choice: (b)

3. Read the instruction carefully and answer the question based on it.

Find the value of unknown quantity '?'

24, 72, ?, 90, 15, 107

- (a) 15 (b) 16
(c) 17 (d) 18
(e) 19

Correct Choice: (d)

4. Read the instruction carefully and answer the question based on it.

Find the value of unknown quantity ?

1, 6, 18, 42, 78, ?

- (a) 120 (b) 124
(c) 130 (d) 132
(e) 200

Correct Choice: (c)

5. Read the instruction carefully and answer the question based on it.

Find the value of unknown quantity ?

1, 4, 27, 64, 3125, 46656, ?

- (a) 823543 (b) 813543
(c) 833543 (d) 843543
(e) 853543

Correct Choice: (a)

6. Read the instruction carefully and answer the question based on it.

Determine the relationship between x and y ?

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

II) $y^2 + 13y + 42 = 0$

- (a) (b)
(c) $x > y$ (d) $y > x$
(e) $x \geq y$ (d) $y \geq x$

$x = y$, Or no relationship can be determined.



Correct Choice: (a)

7. Read the instruction carefully and answer the question based on it.

Determine the relationship between x and y ?

I) $x^2 - 18x + 72 = 0$

II) $y^2 - 21y + 108 = 0$

(a)

(b)

$x > y$

$y > x$

(c)

(d)

$x \geq y$

$y \geq x$

(e) $x = y$, Or no relationship can be determined

Correct Choice: (e)

8. Read the instruction carefully and answer the question based on it

Determine the relationship between x and y ?

I) $2x^2 - 2x - 84 = 0$

II) $y^2 - 2y - 48 = 0$

(a)

(b)

$x > y$

$y > x$

(c)

(d)

$x \geq y$

$y \geq x$

(e)

$x = y$, Or no relationship can be determined.

Correct Choice: (e)

9. Read the instruction carefully and answer the question based on it.

Determine the relationship between x and y ?

I) $2x + y = 34$

II) $x + 3y = 47$

(a)

(b)

$x > y$

$y > x$

(c)

(d)

$x \geq y$

$y \geq x$

(e)

$x = y$, Or no relationship can be determined.

Correct Choice: (b)

10. Read the instruction carefully and answer the question based on it.

Determine the relationship between x and y ?

I) $x^2 + 32x - 144 = 0$

II) $y^2 - 31y + 108 = 0 \rightarrow x^2 + 32x - 144 = 0$

II) $y^2 - 31y + 108 = 0$

(a)

(b)

$x > y$

$y > x$

(c)

(d)

$x \geq y$

$y \geq x$

(e)

$x = y$, Or no relationship can be determined.

Correct Choice: (d)

11. Read the data given in the question and answer the question based on it.

A company manufactured some products in the year 2012 and 2013. In 2012 the company manufactured 60% of non-defected products and 30% with minor defects. 30000 units have been completely disposed due to severe defects. In 2013 the number of non-defective products is $\frac{1}{3}$ of the 2012 non defective product, whereas minor defects products is 20% of minor defects products in 2012 and completely disposed product is 10% of the non-defective product of 2012.

What is the ratio of completely disposed product of 2012 to 2013?

(a) 480

(b) 486

(c) 490

(d) 470

(e) 485

Correct Choice: (b)

12. Read the data given in the question and answer the question based on it.

A company manufactured some products in the year 2012 and 2013. In 2012 the company manufactured 60% of non-defected products and 30% with minor defects. 30000 units have been completely disposed due to severe defects. In 2013 the number of non-defective products is $\frac{1}{3}$ of the 2012 non defective product, whereas minor defects products is 20% of minor defects products in 2012 and completely disposed product is 10% of the non-defective product of 2012.

What is the total number of products manufactured by the company on 2013?

(a) 175

(b) 200

(c) 300

(d) 180

(e) 90

Correct Choice: (b)

13. Read the data given in the question and answer the question based on it.

A company manufactured some products in the year 2012 and 2013. In 2012 the company manufactured 60% of non-defected products and 30% with minor defects. 30000 units have been completely disposed due to severe defects. In 2013 the number of non-defective products is $\frac{1}{3}$ of the 2012 non defective product, whereas minor defects products is 20% of minor defects products in 2012 and completely disposed product is 10% of the non-defective product of 2012.

Find the ratio between the non-defected products manufactured on 2012 to that of 2013.

- (a) 241:127 (b) 129:243
(c) 141:171 (d) 128:243
(e) 243:128

Correct Choice: (e)

14. Read the data given in the question and answer the question based on it

A company manufactured some products in the year 2012 and 2013. In 2012 the company manufactured 60% of non-defected products and 30% with minor defects. 30000 units have been completely disposed due to severe defects. In 2013 the number of non-defective products is $\frac{1}{3}$ of the 2012 non defective product, whereas minor defects products is 20% of minor defects products in 2012 and completely disposed product is 10% of the non-defective product of 2012.

Find the ratio of the total products manufactured by the company on 2012 to 2013.

- (a) 965 (b) 854
(c) 954 (d) 960
(e) 980

Correct Choice: (c)

15. Read the data given in the question and answer the question based on it

A company manufactured some products in the year 2012 and 2013. In 2012 the company manufactured 60% of non-defected products and 30% with minor defects. 30000 units have been completely disposed due to severe defects. In 2013 the number of non-defective products is $\frac{1}{3}$ of the 2012 non defective product, whereas minor defects products is 20% of minor defects products in 2012 and completely disposed product is 10% of the non-defective product of 2012.

By what percentage the number of non-defected products manufactured in 2012 is more than the non-defected products manufactured in 2013?

- (a) 50% (b) 48%
(c) 45% (d) 40%
(e) 75%

Correct Choice: (b)

16. If 90 liters mixture contains milk and water in the ratio of 8:1, replaced twice by 22.5 liters water, then the final quantity of the milk is approximately what percent of the final quantity of the water in the mixture?

- (a) 50% (b) 100%
(c) 150% (d) 125%
(e) 75%

Correct Choice: (b)

17. Ratio of the ages of Anu to France is 5:4 and Ram is 4 years younger than Anu and Karthick is 6 years younger than Ram. If Karthick's present age is 20 years, then the present age of Karthick is what percent of the present age of France?

- (a) 8 years (b) 10 years
(c) 12 years (d) 9 years
(e) 13 years

Correct Choice: (c)

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

The following table shows the number of different coloured balls in five different bags.

Bags	Red	Green	Blue	Black
A	8	4	5	3
B	6	7	3	2
C	4	5	6	7
D	10	8	2	4
E	8	4	6	2

Find the product of the probability of drawing four balls from bag B such that each ball is of different colour and probability of drawing four balls from bag C such that each ball is of different colour?

- (a) $\frac{168}{16765}$ (b) $\frac{168}{17665}$

(c) $\frac{158}{17765}$

(d) $\frac{168}{17765}$

(e) $\frac{178}{17765}$

Correct Choice: (d)

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

The following table shows the number of different coloured balls in five different bags.

Bags	Red	Green	Blue	Black
A	8	4	5	3
B	6	7	3	2
C	4	5	6	7
D	10	8	2	4
E	8	4	6	2

Find the respective ratio of probability of drawing 2 green and 2 blue balls from bag A and probability of drawing 2 green and 2 blue balls from bag D.

(a) 245:343

(b) 323:1215

(c) 1518:322

(d) 1518:323

(e) 323:1518

Correct Choice: (d)

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

The following table shows the number of different coloured balls in five different bags.

Bags	Red	Green	Blue	Black
A	8	4	5	3
B	6	7	3	2
C	4	5	6	7
D	10	8	2	4
E	8	4	6	2

Probability of drawing 3 red balls from bag A is approximately what percent of the probability of drawing 3 blue balls from bag C?

(a) 380%

(b) 370%

(c) 378%

(d) 385%

(e) 390%

Correct Choice: (c)

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

The following table shows the number of different coloured balls in five different bags.

Bags	Red	Green	Blue	Black
A	8	4	5	3
B	6	7	3	2
C	4	5	6	7
D	10	8	2	4
E	8	4	6	2

Find the sum of the probability of drawing two balls of same colour from bag C and bag E.

(a) $\frac{2043}{4389}$

(b)

$\frac{2243}{4389}$

(c) $\frac{2233}{4389}$

(d) $\frac{2143}{4389}$

(e) $\frac{2143}{4289}$

Correct Choice: (d)

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

The following table shows the number of different coloured balls in five different bags.

Bags	Red	Green	Blue	Black
A	8	4	5	3
B	6	7	3	2
C	4	5	6	7
D	10	8	2	4
E	8	4	6	2

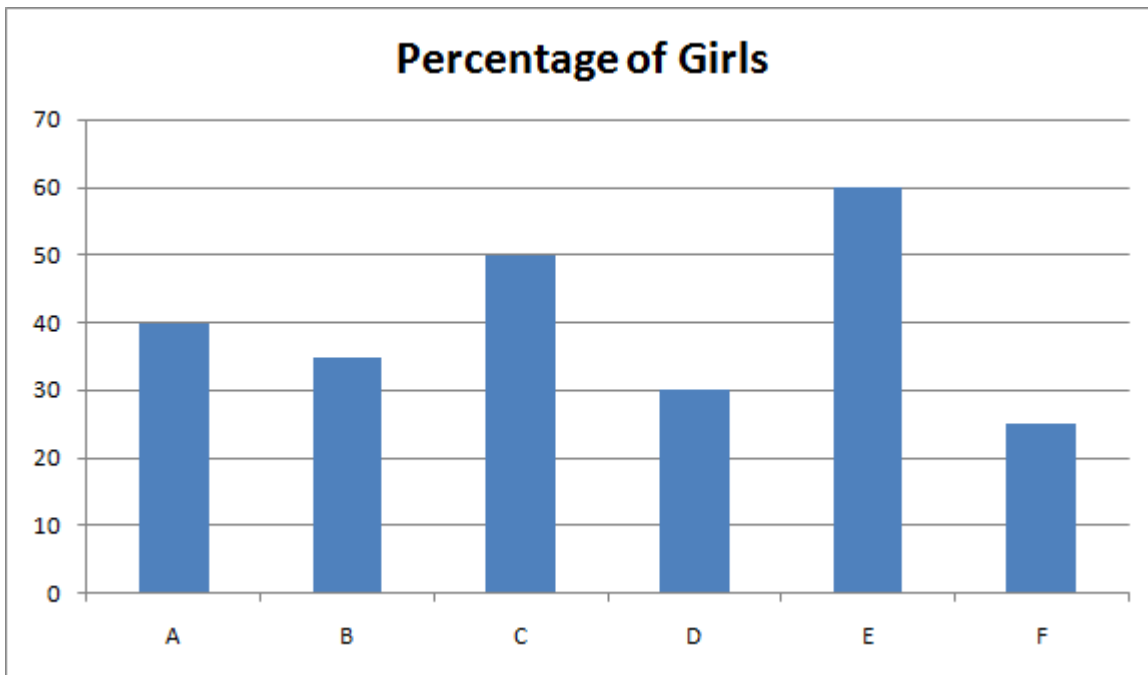
Find the probability of drawing one red from one of the bag.

- (b) $\frac{281}{1100}$ $\frac{381}{1100}$
- (c) $\frac{383}{1100}$ (d) $\frac{371}{1100}$
- (e) $\frac{381}{1000}$

Correct Choice: (b)

23. Read the instruction carefully and answer the question based on it.

Bar graph given below shows the percentage of girls in the following colleges. Table given below shows the ratio of Boys and Girls in different department of all colleges. (After bar graph, that is in between bar and table)



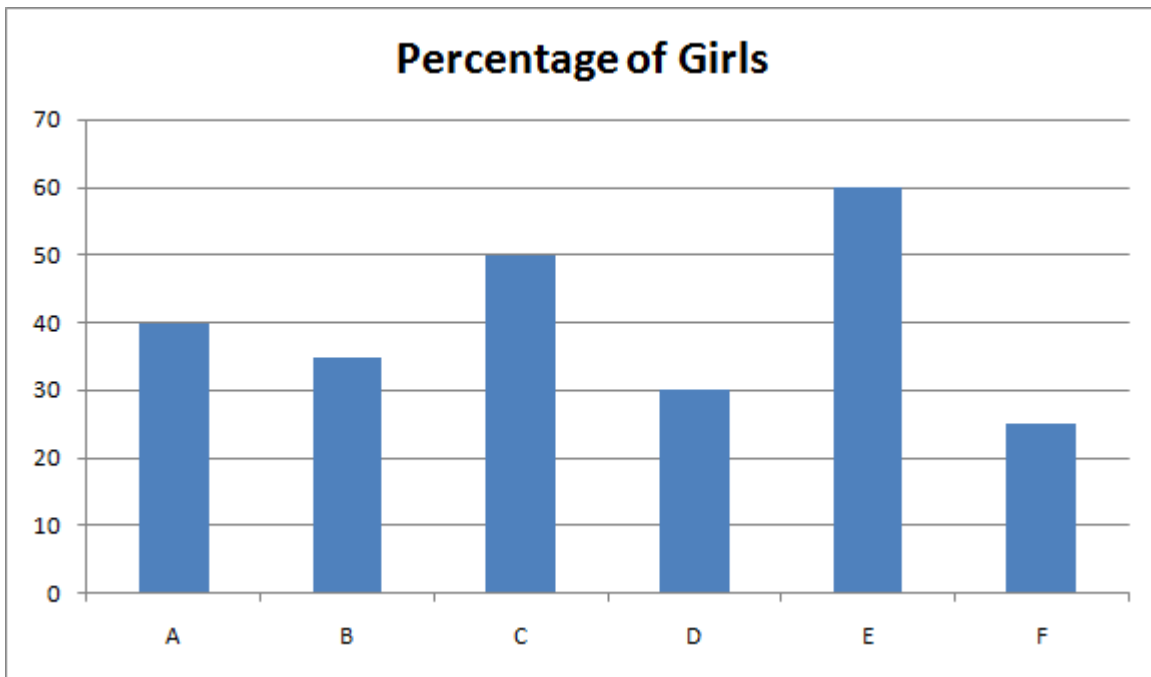
Colleges	Boys (CSE:ECE)	Girls (CSE:ECE)
A	7:5	3:1
B	9:4	3:2
C	1:2	7:2
D	4:3	1:2
E	5:1	5:4
F	3:5	3:1

If the total number ECE boys in D is 14 more than the total number of ECE boys in B and the total number of CSE girls in B is 24 more than the total number of CSE girls in D, then what is the average number of total number of students in B and D together?

- (a) 210 (b) 150
- (c) 180 (d) 200

Correct Choice: (e)

24. Read the instruction carefully and answer the question based on it. Bar graph given below shows the percentage of girls in the following colleges. Table given below shows the ratio of Boys and Girls in different department of all colleges. (After bar graph, that is in between bar and table)



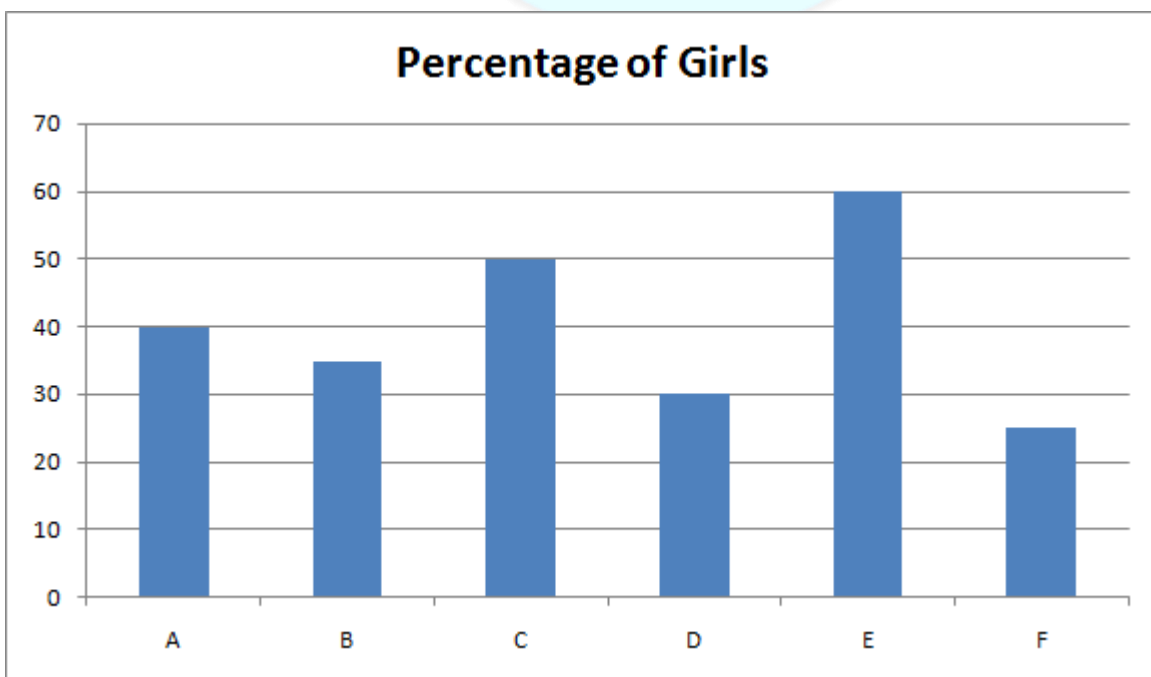
Colleges	Boys (CSE:ECE)	Girls (CSE:ECE)
A	7:5	3:1
B	9:4	3:2
C	1:2	7:2
D	4:3	1:2
E	5:1	5:4
F	3:5	3:1

If the total number of ECE boys in D is 18 more than the total number of ECE girls in D, then what is the difference between the total number of CSE boys and the total number of ECE girls?

- (a) 30
- (b) 32
- (c) 34
- (d) 36
- (e) 38

Correct Choice: (d)

25. Read the instruction carefully and answer the question based on it. Bar graph given below shows the percentage of girls in the following colleges. Table given below shows the ratio of Boys and Girls in different department of all colleges. (After bar graph, that is in between bar and table)



Colleges	Boys (CSE:ECE)	Girls (CSE:ECE)
A	7:5	3:1
B	9:4	3:2
C	1:2	7:2
D	4:3	1:2
E	5:1	5:4
F	3:5	3:1

If total number of CSE boys in A is 140 and the total number of students in B is 25% more than the total number of students in A, then the total number of ECE girls in B is what percent of the total number of CSE girls in B?

(a)

66.67%

(c)

56.67%

(e)

70.67%

(b)

60.67%

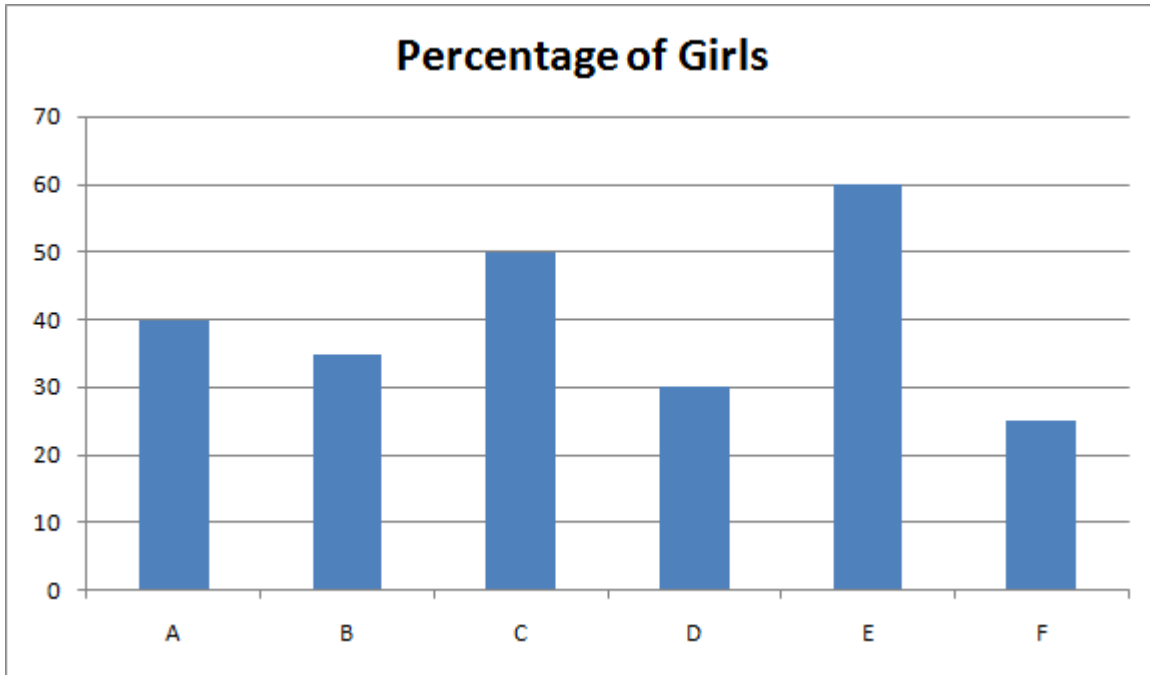
(d)

50.67%



Correct Choice: (a)

26. Read the instruction carefully and answer the question based on it. Bar graph given below shows the percentage of girls in the following colleges. Table given below shows the ratio of Boys and Girls in different department of all colleges. (After bar graph, that is in between bar and table)



Colleges	Boys (CSE:ECE)	Girls (CSE:ECE)
A	7:5	3:1
B	9:4	3:2
C	1:2	7:2
D	4:3	1:2
E	5:1	5:4
F	3:5	3:1

If the total number of CSE students in C is equal to the total number of CSE students in F, then what is the ratio of the total number of students in C to F?

(a) 32:27

(b) 27:32

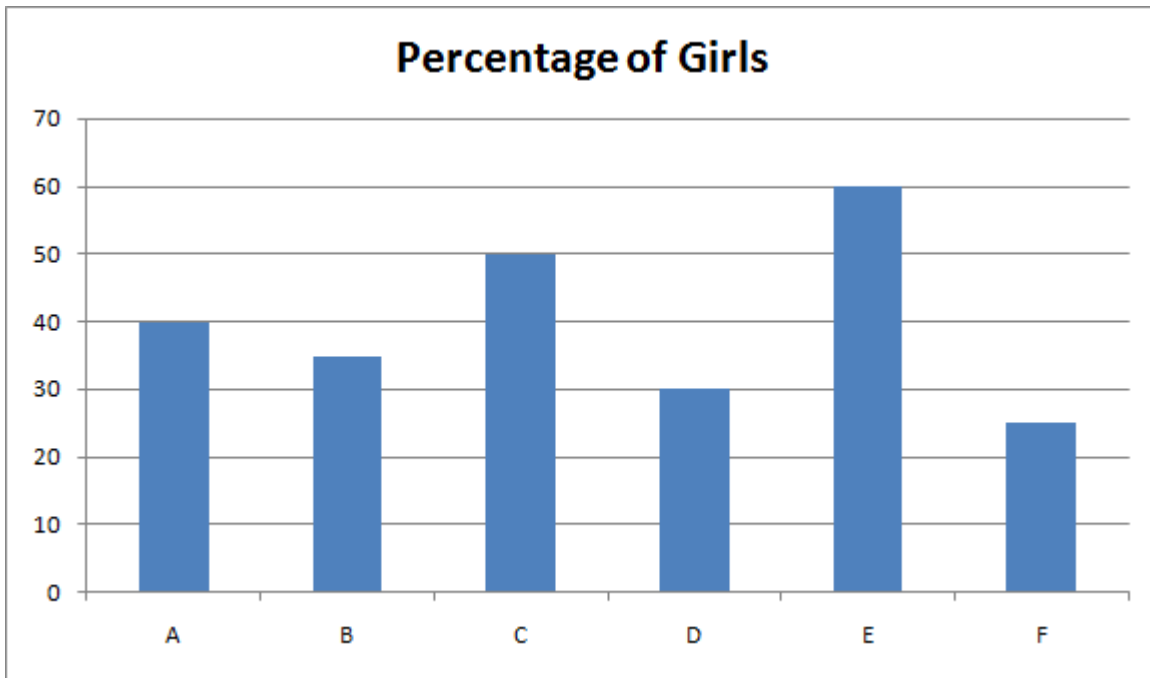
(c) 5:7

(d) 7:5

(e) 4:3

Correct Choice: (b)

27. Read the instruction carefully and answer the question based on it. Bar graph given below shows the percentage of girls in the following colleges. Table given below shows the ratio of Boys and Girls in different department of all colleges. (After bar graph, that is in between bar and table)



Colleges	Boys (CSE:ECE)	Girls (CSE:ECE)
A	7:5	3:1
B	9:4	3:2
C	1:2	7:2
D	4:3	1:2
E	5:1	5:4
F	3:5	3:1

If the average number of ECE students in C is 12 which is 60% of the total number of ECE boys in B, then total number of students in C is what percent of the total number of students in B?

- (a) 50% (b) 52%
 (c) 54% (d) 56%
 (e) 58%

Correct Choice: (c)

28. The cost price of the table is 25% more than the cost price of chair and the ratio of the marked price of table to chair is 12:5. If the shopkeeper offers a discount of $x\%$ and $(x + 5)\%$ on marked price of chair and table respectively while he gets the profit of 25% on chair and 20% on table, then find the value of x ?

- (a) 85% (b) 80%
 (c) 82% (d) 90%
 (e) 84%

Correct Choice: (d)

29. Total distance between Chennai to Bangalore is 240 km. The speed of train A is 30kmph and train B starts Journey after 3 hours of train A but reaches Bangalore one hour before train A. The train A stops for 15 minutes on each station and train B did not stop at any station. If the total number of station between Chennai and Bangalore is 4, then find the speed of train B?

- (a) 40 Kmph (b) 42 Kmph
 (c) 44 Kmph (d) 46 Kmph
 (e) 48 Kmph

Correct Choice: (e)

30. The compound interest on a certain sum of money at a certain rate per annum for two years is Rs.1806 and the simple interest on the same amount of money at the same rate for 3 years is Rs. 2520. Find the sum?

- (a) Rs. 5000 (b) Rs. 5200
 (c) Rs. 5400 (d) Rs. 5600
 (e) Rs. 6000

Correct Choice: (d)

31. A and B started the business with investment of Rs. x , and Rs. $(x + 2000)$ respectively. After 4 months C joined with Rs. $(x - 1000)$ and A added Rs. x for his initial investment. At the end of one year the total profit is Rs.6000 and the profit share of A is Rs.2500, find the value of x ?

- (a) Rs. 2000 (b) Rs. 2500
 (c) Rs. 3000 (d) Rs. 3500
 (e) Rs. 1500

Correct Choice: (a)

32. The speed of the stream is 20kmph. The boat covers 240 km along with stream and against stream in 9 hours. If the boat is increased the speed by 20 kmph, then the boat saves the time is?

(a) 2 Hours

(b) 2.5 Hours

(c) 2.6 Hours

(d) 2.4 Hours

(e) 2.2 Hours

Correct Choice: (c)

33. The box has 4 red balls, 3 blue balls and 2 pink balls. If three balls are drawn at random, then what is the probability of drawing exactly 2 red balls?

(a) $\frac{2}{7}$

(b) $\frac{2}{3}$

(c) $\frac{3}{7}$

(d) $\frac{4}{7}$

(e) $\frac{5}{7}$

(f) $\frac{6}{7}$

Correct Choice: (b)

34. If the area of the square is 168 cm² more than the area of the circle and circumference of the circle and the perimeter of the rectangle is same. If the ratio of the length to breadth of the rectangle is 6:5 and circle is inscribed in a square, then find the area of the rectangle?

(a) 420cm²

(b) 480cm²

(c) 450cm²

(d) 400cm²

(e) 460cm²



Correct Choice: (b)

35. Raji and Prithvi invested in a business in which Prithvi invests Rs. 5000 more than Raji. Raji invested for 12 months while Prithvi invested for 15 months. If Prithvi gets Rs. 12000 more than Raji out of the total profit of Rs. 48000, then find the total amount invested by both of them in the business?

- (a) Rs. 30000 (b) Rs. 32000
(c) (d)
(e) Rs. 35000 Rs. 38000
Rs. 40000
Correct Choice: (c)

find the value of unknown quantity (?) ? 36.
Read the instruction carefully and answer the question given

$$12\% \text{ of } 1500 + \frac{5 \times 150}{?} = ? - 4$$

- (a) 20 (b) 21
(c) 22 (d) 23
(e) 24

Correct Choice: (c)

find the value of unknown quantity (?) ? 37.
Read the instruction carefully and answer the question given

$$\frac{15 \times 17 \times 20}{?} \times 189 = ? - 26$$

- (a) 11 (b) 12
(c) 13 (d) 14
(e) 15

Correct Choice: (d)

38. Find the value of unknown quantity ?

$$12.5\% \text{ of } 150 + 17.5\% \text{ of } 200 = ? - \frac{41}{4}$$

- (a) 5 (b) 6
(c) 7 (d) 9
(e) 8

Correct Choice: (e)

Q 1

39. Find the value of unknown quantity ?

$$15\% \text{ of } 250 + 12.5\% \text{ of } 600 = ?^3 - 12.5$$

- (a) 5 (b) 6
(c) 7 (d) 4
(e) 8

Correct Choice: (a)

Q 2

40. Find the value of unknown quantity ?

$$22^2 + 36^2 - 47^2 = ? - 22^2$$

- (a) 52 (b) 54
(c) 55 (d) 60
(e) 65

Correct Choice: (c)

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

Seven books i.e. H, G, J, K, L, M and N of different writers i.e. SD, KL, JK, UH, OL, AX and TH places one above another but not necessarily in same order. SD and KL are not the writer of K and H. G places above K. There are three books places between the books whose writers are AX and TH. H places just above UH writer's book and places just below of K. Only One book is below of M whose writer is TH. There are as many books above L as below J. KL and JK are not the writer of L and H. J is not in topmost position.

Who among the following is the writer of book J?

- (a) KL (b) OL
(c) JK (d) UH
(e) None of these

Correct Choice: (a)

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

Seven books i.e. H, G, J, K, L, M and N of different writers i.e. SD, KL, JK, UH, OL, AX and TH places one above another but not necessarily in same order. SD and KL are not the writer of K and H. G places above K. There are three books places between the books whose writers are AX and TH. H places just above UH writer's book and places just below of K. Only One book is below of M whose writer is TH. There are as many books above L as below J. KL and JK are not the writer of L and H. J is not in topmost position.

Which among the following book is written by OL?

- (a) L
- (b) H
- (c) G
- (d) J
- (e) None of these

Correct Choice: (b)

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

Seven books i.e. H, G, J, K, L, M and N of different writers i.e. SD, KL, JK, UH, OL, AX and TH places one above another but not necessarily in same order. SD and KL are not the writer of K and H. G places above K. There are three books places between the books whose writers are AX and TH. H places just above UH writer's book and places just below of K. Only One book is below of M whose writer is TH. There are as many books above L as below J. KL and JK are not the writer of L and H. J is not in topmost position.

How many books place between J and K?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

Correct Choice: (d)

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

Seven books i.e. H, G, J, K, L, M and N of different writers i.e. SD, KL, JK, UH, OL, AX and TH places one above another but not necessarily in same order. SD and KL are not the writer of K and H. G places above K. There are three books places between the books whose writers are AX and TH. H places just above UH writer's book and places just below of K. Only One book is below of M whose writer is TH. There are as many books above L as below J. KL and JK are not the writer of L and H. J is not in topmost position.

Which among the following is true?

- (a) K-OL
- (b) J-UH
- (c) G-AX
- (d) K-SD
- (e) L-KL

Correct Choice: (c)

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

Seven books i.e. H, G, J, K, L, M and N of different writers i.e. SD, KL, JK, UH, OL, AX and TH places one above another but not necessarily in same order. SD and KL are not the writer of K and H. G places above K. There are three books places between the books whose writers are AX and TH. H places just above UH writer's book and places just below of K. Only One book is below of M whose writer is TH. There are as many books above L as below J. KL and JK are not the writer of L and H. J is not in topmost position.

Four of the following five are alike in certain way based from a group, find the one which does not belong to that group?

- (a) K-OL
- (b) J-TH
- (c) G-JK
- (d) N-UH
- (e) M-KL

Correct Choice: (d)

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

Eight persons A, B, C, D, P, Q, R, S are sitting around a circular table facing towards the center but not necessarily in the same order. C sits second to the right of D. Two persons sits between C and P. There are three persons sits between R and S who is not an immediate neighbor of C. One person sits between A and S. B is not an immediate neighbor of P.

Who sits third to the right of D?

- (a) R
- (b) A
- (c) Q
- (d) S
- (e) None of these

Correct Choice: (b)

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

Eight persons A, B, C, D, P, Q, R, S are sitting around a circular table facing towards the center but not necessarily in the same order. C sits second to the right of D. Two persons sits between C and P. There are three persons sits between R and S who is not an immediate neighbor of C. One person sits between A and S. B is not an immediate neighbor of P.

How many persons sits between B and D?

- (a) One
- (b) Two
- (c) Three
- (d) More than three
- (e) None of these

Correct Choice: (c)

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

Eight persons A, B, C, D, P, Q, R, S are sitting around a circular table facing towards the center but not necessarily in the same order. C sits second to the right of D. Two persons sits between C and P. There are three persons sits between R and S who is not an immediate neighbor of C. One person sits between A and S. B is not an immediate neighbor of P.

A and P interchange their places, then who among the following sits immediate right of A?

- (a) R
- (b) D
- (c) C
- (d) S

(e) None of these

Correct Choice: (b)

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

Eight persons A, B, C, D, P, Q, R, S are sitting around a circular table facing towards the center but not necessarily in the same order. C sits second to the right of D. Two persons sits between C and P. There are three persons sits between R and S who is not an immediate neighbor of C. One person sits between A and S. B is not an immediate neighbor of P.

Who among the following faces S?

(a) B

(b) A

(c) C

(d) R

(e) None of these

Correct Choice: (d)

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

Eight persons A, B, C, D, P, Q, R, S are sitting around a circular table facing towards the center but not necessarily in the same order. C sits second to the right of D. Two persons sits between C and P. There are three persons sits between R and S who is not an immediate neighbor of C. One person sits between A and S. B is not an immediate neighbor of P.

How many persons are sitting between P and C when counting anticlockwise direction from P?

(a) Two

(b) four

(c) three

(d) one

(e) None of these

Correct Choice: (a)

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

A certain number of persons are sitting in a line. All are facing to North. They like different colors. Q sits 2nd to the right of R, who likes red color. Four persons are sitting between the persons who like White and Black colors. P sits 4th from an extreme end. Seven persons are sitting between P and the person who like Black color. There are as many persons are right of the person who likes Green color as left of R. Q sits immediate left of S, who likes White color. T sits immediate left of Q and is 3rd to the left of extreme end.

Which of the following color P likes?

(a) Black

(b) White

(c) Red

(d) Green

(e) Can't be determined

Correct Choice: (d)

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

A certain number of persons are sitting in a line. All are facing to North. They like different colors. Q sits 2nd to the right of R, who likes red color. Four persons are sitting between the persons who like White and Black colors. P sits 4th from an extreme end. Seven persons are sitting between P and the person who like Black color. There are as many persons are right of the person who likes Green color as left of R. Q sits immediate left of S, who likes White color. T sits immediate left of Q and is 3rd to the left of extreme end.

How many persons are sitting in a line?

(a) 16

(b) 17

(c) 18

(d) 19

(e) None of these

Correct Choice: (b)

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

A certain number of persons are sitting in a line. All are facing to North. They like different colors. Q sits 2nd to the right of R, who likes red color. Four persons are sitting between the persons who like White and Black colors. P sits 4th from an extreme end. Seven persons are sitting between P and the person who like Black color. There are as many persons are right of the person who likes Green color as left of R. Q sits immediate left of S, who likes White color. T sits immediate left of Q and is 3rd to the left of extreme end.

Who among the following person sits at an extreme end?

(a) R

(b) T

(c) Q

(d) S

(e) Can't be determined

Correct Choice: (d)

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

A certain number of persons are sitting in a line. All are facing to North. They like different colors. Q sits 2nd to the right of R, who likes red color. Four persons are sitting between the persons who like White and Black colors. P sits 4th from an extreme end. Seven persons are sitting between P and the person who like Black color. There are as many persons are right of the person who likes Green color as left of R. Q sits immediate left of S, who likes White color. T sits immediate left of Q and is 3rd to the left of extreme end.

Who among the following person sits at exactly in the middle of the line?

(a) P

(b) Q

(c) R

(d) S

(e) Can't be determined

Correct Choice: (e)

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

A certain number of persons are sitting in a line. All are facing to North. They like different colors. Q sits 2nd to the right of R, who likes red color. Four persons are sitting between the persons who like White and Black colors. P sits 4th from an extreme end. Seven persons are sitting between P and the person who like Black color. There are as many persons are right of the person who likes

Green color as left of R. Q sits immediate left of S, who likes White color. T sits immediate left of Q and is 3rd to the left of extreme end.

Four of the following five are alike in certain way based from a group, find the one which does not belong to that group?

- (a) P (b) Q
(c) R (d) S
(e) T

Correct Choice: (d)

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

Five B.Tech. students of different branches are studying in different Colleges. B is CSE student and doesn't study in IIT and NIT. C studies in VIT but is not ECE and ME student. D and E is not EE and ECE students. Either A or D studies in IISc. E doesn't study in IIT and IIM. CE student studies in IIT.

Who among the following studies in IIM?

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

Correct Choice: (a)

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

Five B.Tech. students of different branches are studying in different Colleges. B is CSE student and doesn't study in IIT and NIT. C studies in VIT but is not ECE and ME student. D and E is not EE and ECE students. Either A or D studies in IISc. E doesn't study in IIT and IIM. CE student studies in IIT.

In which of the following branch A studies?

- (a) ECE (b) EE
(c) ME (d) CE
(e) CSE

Correct Choice: (a)

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

Five B.Tech. students of different branches are studying in different Colleges. B is CSE student and doesn't study in IIT and NIT. C studies in VIT but is not ECE and ME student. D and E is not EE and ECE students. Either A or D studies in IISc. E doesn't study in IIT and IIM. CE student studies in IIT.

In which of the following college ECE student studies?

- (a) IIT (b) NIT
(c) IIM (d) IISc
(e) VIT

Correct Choice: (d)

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

Five B.Tech. students of different branches are studying in different Colleges. B is CSE student and doesn't study in IIT and NIT. C studies in VIT but is not ECE and ME student. D and E is not EE and ECE students. Either A or D studies in IISc. E doesn't study in IIT and IIM. CE student studies in IIT.

Which of the following is true?

- (a) A studies in IIT (b) D is not CE student
(c) E studies in IIM (d) C is CE student
(e) None is true

Correct Choice: (e)

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

Five B.Tech. students of different branches are studying in different Colleges. B is CSE student and doesn't study in IIT and NIT. C studies in VIT but is not ECE and ME student. D and E is not EE and ECE students. Either A or D studies in IISc. E doesn't study in IIT and IIM. CE student studies in IIT.

Who among the following is CE student?

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

Correct Choice: (b)

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

In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: $F > G > H = I \geq J < Y \leq T, W < D < R = F$

Conclusion I: $I \geq R$

II: $G > R$

- (a) If only conclusion I follows. (b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Correct Choice: (d)

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

In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: $A < E = R > F \leq G \leq T$, $B = H \geq G \geq U$

Conclusion I: $E < H$

II: $F \leq B$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Correct Choice: (b)

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

In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: $C = D < G \leq B \leq H < F$, $A > S = M \geq N \geq B$

Conclusion I: $N > D$

II: $A \leq M$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Correct Choice: (a)

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

In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: $A < B \leq L \leq E$; $L > W$

Conclusions: I. $A < W$

II. $E > W$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Correct Choice: (b)

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

In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: $Q > K \geq L > O \leq A < B$

Conclusions: I. $K \geq O$

II. $B < A$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Correct Choice: (d)

66. Study the following information carefully and answer the questions given below.

A is 5m to the east of B. C is 9m to the west of A. F is 10m to the north of B. D is 10m to the west of F. E is 9m to the south of A.

What is the shortest distance between D and C?

(a) 8m

(b) $\sqrt{141}$ m

(c) $\sqrt{128}$ m

(d) $\sqrt{137}$ m

(e) None of these

Correct Choice: (e)

67. Study the following information carefully and answer the questions given below.

A is 5m to the east of B. C is 9m to the west of A. F is 10m to the north of B. D is 10m to the west of F. E is 9m to the south of A.

Point E is in which direction with respect to F?

(a) North west

(b) North

(c) South west

(d) Southeast

(e) None of these

Correct Choice: (d)

68. Study the following information carefully and answer the questions given below.

A is 5m to the east of B. C is 9m to the west of A. F is 10m to the north of B. D is 10m to the west of F. E is 9m to the south of A.

Point D is in which direction with respect to B?

(a) North west

(b) East

(c) North East

(d) South east

(e) None of these

Correct Choice: (a)

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

In a certain code language:

"area around the triangle" is coded as "abc lmo aqp ase"

"square triangle cube root" is coded as "dfg lpo ase cvb"

"square around the cube" is coded as "lpo dfg lmo aqp"

"area equal the triangle" is coded as "abc dre aqp ase"

What is the code for "around" in the given code language?

(a) lpo

(b) lmo

(c) dfg

(d) aqp

(e) Can't be determined

Correct Choice: (b)

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

In a certain code language:

"area around the triangle" is coded as "abc lmo aqp ase"

"square triangle cube root" is coded as "dfg lpo ase cvb"

"square around the cube" is coded as "lpo dfg lmo aqp"

"area equal the triangle" is coded as "abc dre aqp ase"

Which of the following word is coded as "lpo"?

(a) square

(b) cube

(c) around

(d) the

(e) Can't be determined

Correct Choice: (e)

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

In a certain code language:

"area around the triangle" is coded as "abc lmo aqp ase"

"square triangle cube root" is coded as "dfg lpo ase cvb"

"square around the cube" is coded as "lpo dfg lmo aqp"

"area equal the triangle" is coded as "abc dre aqp ase"

What is the code for "area" in the given code language?

(a) lmo

(b) cvb

(c) dre

(d) abc

(e) None of these

Correct Choice: (d)

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

In a certain code language:

"area around the triangle" is coded as "abc lmo aqp ase"

"square triangle cube root" is coded as "dfg lpo ase cvb"

"square around the cube" is coded as "lpo dfg lmo aqp"

"area equal the triangle" is coded as "abc dre aqp ase"

If "around the world" is coded as "lmo aqp ytr" then what may be the code for "new world" in the given code language?

(a) lmo ytr

(b) xyz ytr

(c) dre cvb

(d) lmo abc

(e) None of these

Correct Choice: (b)

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

In a certain code language:

"area around the triangle" is coded as "abc lmo aqp ase"

"square triangle cube root" is coded as "dfg lpo ase cvb"

"square around the cube" is coded as "lpo dfg lmo aqp"

"area equal the triangle" is coded as "abc dre aqp ase"

What is the code for "equal" in the given code language?

- (a) aqp
- (b) ase
- (c) dfg
- (d) cvb
- (e) None of these

Correct Choice: (e)

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

There are three couples in a nine membered family. F is sister in law of D who is the husband of G. A is the only son of B who is the child of F. C and E are grandchildren of H. J is the mother of C who is the child of B. H is the brother of D.

Who among the following is the daughter in law of H?

- (a) G
- (b) J
- (c) C
- (d) E
- (e) None of these

Correct Choice: (b)

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

There are three couples in a nine membered family. F is sister in law of D who is the husband of G. A is the only son of B who is the child of F. C and E are grandchildren of H. J is the mother of C who is the child of B. H is the brother of D.

How many male members are in the family?

- (a) Three
- (b) Five
- (c) Four
- (d) Six
- (e) Can't be determined

Correct Choice: (c)

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

There are three couples in a nine membered family. F is sister in law of D who is the husband of G. A is the only son of B who is the child of F. C and E are grandchildren of H. J is the mother of C who is the child of B. H is the brother of D.

How is E related to F?

- (a) Son
- (b) Daughter
- (c) Grand-son
- (d) Grand-daughter
- (e) Either (C) or (D)

Correct Choice: (d)

77. If it is possible to make only one meaningful word with the 4th, 6th, 8th, 9th and 11th letters of the word 'MISCELLANEOUS' which would be the third letter of the word from the right? If more than one such word can be formed give 'Y' as the answer. If no such word can be formed, give 'Z' as your answer.

- (a) Z
- (b) C
- (c) A
- (d) Y
- (e) L

Correct Choice: (a)

78. How many such numerals are there in the number '159638742' which will remain at the same position when arranged in descending order from left to right?

- (a) One
- (b) Two
- (c) Three
- (d) None
- (e) More than Three

Correct Choice: (a)

79. In the word 'PREVENTIVE', how many pairs of the letters have the same number of letters between them in the word as in English alphabet?

- (a) Four
- (b) Two
- (c) One
- (d) Three
- (e) More than four

Correct Choice: (b)

80. How many words can be formed from the 1st, 6th, 8th and 9th letter of a word 'DIAGONALLY' by using each letter once in the word?

(a) None

(b) One

(c) Two

(d) Three

(e) More than three

Correct Choice: (a)

