

Sample Aptitude Questions of Deloitte

1. The mean daily profit made by a shopkeeper in a month of 30 days was Rs. 350. If the mean profit for the first fifteen days was Rs. 275, then the mean profit for the last 15 days would be
 - A. Rs. 200
 - B. Rs. 350
 - C. Rs. 275
 - D. Rs. 425
2. There were 35 students in a hostel. If the number of students increases by 7, the expenses of the mess increase by Rs. 42 per day while the average expenditure per head diminishes by Re 1. Find the original expenditure of the mess.
 - A. Rs. 480
 - B. Rs. 520
 - C. Rs. 420
 - D. Rs. 460
3. The ratio between the number of passengers travelling by I and II class between the two railway stations is 1 : 50, whereas the ratio of I and II class fares between the same stations is 3 : 1. If on a particular day Rs. 1,325 were collected from the passengers travelling between these stations, then what was the amount collected from the II class passengers?
 - A. Rs. 750
 - B. Rs. 1000
 - C. Rs. 850
 - D. Rs. 1250
4. A boat travels upstream from B to A and downstream from A to B in 3 hours. If the speed of the boat in still water is 9 km/hour and the speed of the current is 3 km/hour, the distance between A and B is
 - A. 4 km
 - B. 8 km
 - C. 6 km
 - D. 12 km
5. A man while returning from his factory, travels $\frac{2}{3}$ of the distance by bus, $\frac{3}{4}$ of the rest partly by car and partly by foot. If he travels 2 km on foot, find the distance covered by him.
 - A. 24 km
 - B. 22 km
 - C. 28 km
 - D. 26 km
6. The fuel indicator in a car shows $\frac{1}{5}$ th of the fuel tank as full. When 22 more liters of fuel are poured in to the tank, the indicator rests at the $\frac{3}{4}$ of the full mark. Find the capacity of the tank.
 - A. 25 litres
 - B. 35 litres
 - C. 30 litres
 - D. 40 litres
7. A pump can be operated both for filling a tank and for emptying it. The capacity of the tank is 2400 m³. The emptying capacity of the pump is 10m³ per minute higher than its filling capacity. Consequently, the pump needs 8 minutes less to empty the tank than to fill it. Find the filling capacity of the pump.
 - A. 45 m³/min

- B. $40 \text{ m}^3/\text{min}$
- C. $50 \text{ m}^3/\text{min}$
- D. $55 \text{ m}^3/\text{min}$

8. A sum of money is accumulating at compound interest at a certain rate of interest. If simple interest instead of compound were reckoned, the interest for the first two years would be diminished by Rs. 20 and that for the first three years, by Rs 61. Find the sum

- A. Rs. 7000
- B. Rs. 8000
- C. Rs. 7500
- D. Rs. 6500

9. In a kilometer race, A can give B a 100 m start and C a 150 m start. How many meters start can B give to C?

- A. 50
- B. $50/9$
- C. $8500/9$
- D. $500/9$
- E. None of these

10. The average age of all the student of a class is 18 years. The average age of boys of the class is 20 years and that of the girls is 15 years. If the number of girls in the class is 20, then find the number of boys in the class.

- A. 15
- B. 45
- C. 30
- D. 50



Deloitte Model Papers

1. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

1) Cricket

2) Football

3) Polo

4) Carrom

5) Hockey



Studytosuccess.in

2. In the word CONTRACTUAL, the positions of the first and the eleventh letters are interchanged. Similarly, the positions of the second and the tenth letters are interchanged, and so on, up to the positions of fifth and seventh letters are interchanged, keeping the position of sixth letter unchanged. Which letter will be the third to the right of the sixth letter from the left end?

1) U

2) N

3) T

4) A

5) None of these

3. In a certain code, LATE is written as \$%#@ and WIDE is written as *??@. How is DIAL written in that code?

1) ?@#\$

2) ?@%\$

3) ??%\$

4) ??%#

5) None of these

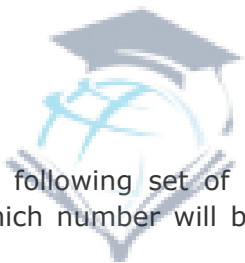


Studytosuccess.in

4. What will come in place of the question mark (?) in the following series based on their positions in the English alphabet?

DGH JMN ? VYZ

- 1) PRS
- 2) QST
- 3) OQR
- 4) ORS
- 5) None of these



Study to success.in

5. If in the following set of numbers, the first and the third digits are interchanged in each number, which number will be second if arranged in ascending order after interchanging the digits?

583 645 396 287 469

- 1) 583
- 2) 645
- 3) 396

4) 287

5) 469

Directions (Q.6-10): In each of the following questions two rows of numbers are given. The resultant of each row is to be worked out separately based on the following rules, and the question below the row of numbers is to be answered. The operations of numbers in each row progress from left to right.

Rules:



(i) If an odd number is followed by another odd number, they are to be multiplied.

(ii) If an even number is followed by another even number, the first number is to be divided by the second even number.

(iii) If an even number is followed by the perfect square of an odd number, the first number is to be subtracted from the second number.

(iv) If an odd number is followed by an even number the two are to be added.

(v) If an even number is followed by an odd number which is not a perfect square, the square of the odd number is to be added to the even number.

11. $96 \ 16 \ 81 = x$

$11 \ 15 \ 18 = y$

What is the value of $y-2x$?

1) 108

2) 33

3) 105

4) 36

5) None of these



Studytosuccess.in

12. $28 \ 49 \ 13 = x$

$37 \ 12 \ 22 = y$

What will be the sum of the resultant of the two rows?

1) 108

2) 244

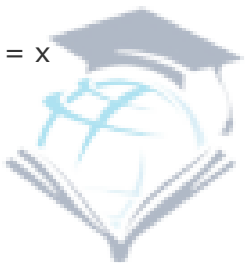
3) 102

4) 344

5) None of these

13. $18 \ 5 \ 17 = x$

$64 \ 8 \ 11 = y$



Studytosuccess.in

What will be the value of $x + y$?

1) 189

2) 129

3) 69

4) 169

5) None of these

$$14. \ 9 \ 15 \ 50 = x$$

$$12 \ 25 \ 24 = y$$

What will be the value of x/y ?

1) 18

2) 8

3) 5

4) 6

5) None of these



Studytosuccess.in

$$15. \ 56 \ 14 \ 9$$

$$36 \ 12 \ 7$$

What will be the difference between the resultants of the two rows?

- 1) 14
- 2) 21
- 3) 5
- 4) 26
- 5) None of these



Studytosuccess.in

• ★ •

Deloitte Placement Paper Questions

1. I have 20 rupees. I bought 1, 2, 5 rupee stamps. They are different in numbers by the reason of no change, the shop keeper gives 3 one rupee stamps. So how many stamp(s) I have. Ans: 10

2. An Engine length 1000 m moving at 10 m/s. A bird is flying from engine to end with x sec and coming back at $2x$ sec. Take total time of bird traveling as 187.5 s. Find the to and fro speed of the bird. Answer 6 and 18m/s

3. P(father) & Q (Son) .. Morning walk... In the shape of equilateral triangle. P walks at 1kmph and runs 4kmpg. Q runs and walks at double P's speed. From the apex of equilateral triangle they both start. Q goes clockwise and P anticlockwise. They both travel for 90 min.

Ans 3.5 (not sure)

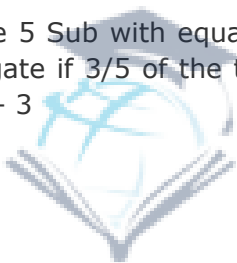
4. Which polygon has no. of sides = diagonal Answer- Pentagon)

5. A person makes one Cigar from 7 burnt pieces. How many pieces would be required to make 16 Cigars. Answer 112

6. There is a point P on the circle. A and B started running in two constant different speeds. A in Clockwise and B in Anti-clockwise. A meet B First time 500 m in Clockwise from P then second time 400 m Anti-clockwise from P. B is yet to complete one round, What is the circumference of the circle?

7. What is the prob. Of getting 2 prime nos. from 1 to 20. (Ans 14/95)

8. There are 5 Sub with equal high marks. Mark scored by a boy is 3:4:5:6:7 (Not sure). If his total aggregate is $\frac{3}{5}$ of the total of the highest score, in how many subjects has he got more than 50%? - 3



StudytoSuccess.in

9. There are 11 lines in plane. How many intersections (Maximum) can be made? Answer 11C2

10. There are 3 Sections with 5 Qns each. If three Qns are selected from each section, then in how many ways this selection can be done..

Answer : 1000(d)

11. There is a 20×20 array. In Each row , the shortest person is called and among them, the tallest person is A. In Each column, the shortest person is called and among them, the tallest person is B. Who is taller?

12. $P \neq Q = (P-Q)(Q-P) = -1$. Then Which is true?

$P = 3, Q = 2$ $P = 2, Q = 3$ $P = -1, Q = 1$ $P = 1, Q = -1$ Ans: I & II only

13. 7 Pink, 5 Black, 11 Yellow balls are there. Minimum no. atleast to get one black and yellow ball Ans: 19



14. Juice contains water and orange pulp in the ratio of 3:1. For making 12L juice, how much orange pulp will be required. Answer 3

15. What is the probability of writing correct addresses to 4 letters to be posted. Answer $\frac{1}{24}$ (c)

16. A, B and C starts from a point on a circle. A and B goes clockwise and C anticlockwise. A meets C after 88s B meets C after 110s. after how many sec A meets B .

17. There are 80 balls and one of them is defective and having less wt. than others. What is the min. amount of weighings to get that ball out.(Answer 5)

18. How many type can arrange to seat 4 man & 4 woman on a circular table alternate.

19. A, B, C and D are four people. There are four houses Red, Yellow, Blue, White. P, Q, R and S are four sections not in same order

Conditions like

Three are sisters

B comes from Red

C comes from Blue

Qns were asked based on that

20. A Father is willing his estates like this. If a boy is born, wife has $\frac{1}{3}$ part and remaining for boy. If a girl is born, Wife has $\frac{2}{3}$ and remaining for the girl. But twins (Boy + Girl) are born.

What is the share that the daughter would get?

Answer = $\frac{1}{6}$

21. MBA, GRE prob from Barrons GRE (Don know whether it is there in all GRE Editions). Ans: GMAT, CAT (Sure)

22. If ü - Married

û - Not Married and

M-ü N-û

N-ü L-û

L-û M-ü

Who is married? Ans: N



Studytosuccess.in

Aptitude Test

1. Express a speed of 36 kmph in meters per second?

- A. 10 mps
- B. 12 mps
- C. 14 mps
- D. 17 mps

Answer: Option A

2. Express 25 mps in kmph?

- A. 15 kmph
- B. 99 kmph
- C. 90 kmph
- D. None

Answer: Option C

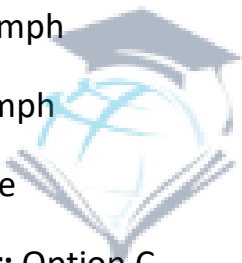
3. The speed of a train is 90 kmph. What is the distance covered by it in 10 minutes?

- A. 15 kmph
- B. 12 kmph
- C. 10 kmph
- D. 5 kmph

Answer: Option A

4. A car covers a distance of 624 km in $6\frac{1}{2}$ hours. Find its speed?

- A. 104 kmph



Studytosuccess.in

- B. 140 kmph
- C. 104 mph
- D. 10.4 kmph

Answer: Option A

5. A and B complete a work in 6 days. A alone can do it in 10 days. If both together can do the work in how many days?

- A. 3.75 days
- B. 4 days
- C. 5 days
- D. 6 days

Answer: Option A

6. A can do a piece of work in 4 days. B can do it in 5 days. With the assistance of C they completed the work in 2 days. Find in how many days can C alone do it?

- A. 10 days
- B. 20 days
- C. 5 days
- D. 4 days

Answer: Option B

7. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They start the work together but C leaves 4 days before the completion of the work. In how many days is the work done?

- A. 15 days
- B. 14 days

C. 13 days

D. 11 days

Answer: Option D

8. 5 men and 12 boys finish a piece of work in 4 days, 7 men and 6 boys do it in 5 days. The ratio between the efficiencies of a man and boy is?

A. 1:2

B. 2:1

C. 2:3

D. 6:5

Answer: Option D

9. A and B can finish a work in 16 days while A alone can do the same work in 24 days. In how many days B alone will complete the work?

A. 56

B. 48

C. 36

D. 58

Answer: Option B

10. Some persons can do a piece of work in 12 days. Two times the number of these people will do half of that work in?

A. 3 days

B. 4 days

C. 6 days

D. 12 days

Answer: Option A

11. What number has a 5:1 ratio to the number 10?

A. 42

B. 50

C. 55

D. 62

Answer: Option B

12. Two same glasses are respectively $\frac{1}{4}$ th $\frac{1}{5}$ th full of milk. They are then filled with water and the contents mixed in a tumbler. The ratio of milk and water in the tumbler is?

A. 3:8

B. 9:31

C. 8:21

D. 10:27



Studytosuccess.in

Answer: Option B

13. A and B entered into a partnership investing Rs.25000 and Rs.30000 respectively. After 4 months C also joined the business with an investment of Rs.35000. What is the share of C in an annual profit of Rs.47000?

A. Rs.18000

B. Rs.15000

C. Rs.17000

D. Rs.14000

Answer: Option D

14. In how many years does a sum of Rs. 5000 yield a simple interest of Rs. 16500 at 15% p.a.?

A. 22

B. 24

C. 25

D. 23

Answer: Option A

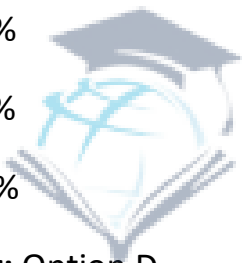
15. The radius of a circle is increased by 1%. Find how much % does its area increases?

A. 1.01%

B. 5.01%

C. 3.01%

D. 2.01%



Studytosuccess.in

Answer: Option D

Deloitte Sample Paper on 2004 at Coimbatore

There are three sections (Verbal, Quans and Critical)

15 Quans

10 Verbal

4 (Fitting the correct word in the given sentence)

6 (Fitting the correct sentence in the given paragraph)

15 Reasoning.

1. I have 20 rupees. I bought 1, 2, 5 rupee stamps. They are different in numbers by the reason of no change, the shop keeper gives 3 one rupee stamps. So how many stamp(s) I have. Ans: 10
2. An Engine length 1000 m moving at 10 m/s. A bird is flying from engine to end with x kmph and coming back at $2x$. Take total time of bird traveling as 187.5 s. Find x and $2x$.
3. All persons know either swimming or rowing. There are 14 persons who know only swimming and 14 persons who know only rowing. 8 tickets sold for rowing. How many people are there for swimming?
4. Which polygon has no. of sides = diagonal (Eg. Pentagon)
5. One Cigar can be made from 7 bits. If there are 16 Cigars then how many bits collected? Ans: 4
6. A, B, C, D went to a hotel and planned to share the bill equally. But afterwards they changed their plan and to pay proportional to consumption A paid 240, B & C paid equally, D paid only half the amount that he should have paid based on the first plan. What is the amount paid by B?
7. There is a point P on the circle. A and B started running in two constant different speeds. A in Clockwise and B in Anti-clockwise. First time 500 m in Clockwise from P then 400 Anti-clockwise. If B is yet to complete one round, What is the circumference of the circle?
8. There are 5 Sub with equal high marks. Mark scored by a boy is 3:5:6:7:8 (Not sure). If his total aggregate is $\frac{3}{5}$ of the total of the highest score, in how many subjects has he got more than 60%?
9. There are 11 lines in plane. How many intersections (Maximum) can be made?
10. There are 3 Sections with 5 Qns each. If three Qns are selected from each section, the chance of getting different Qns is _____
11. There is a 20 X 20 array. In Each row, the tallest person is called and among them, the tallest person is A. In Each column, the shortest person is called and among them, the shortest person is B. Who is taller?
12. $P \neq Q = (P-Q)(Q-P) = -1$. Then Which is true?
 $P = 3, Q = 2$ $P = 2, Q = 3$ $P = -1, Q = 1$ $P = 1, Q = -1$ Ans: I & II only

13.7 Pink, 5 Black, 11 Yellow balls are there. Minimum no. atleast to get one black and yellow ball Ans: 17

14.A, B, C and D are four people. There are four houses Red, Yellow, Blue, White. P, Q, R and S are four sections not in same order Conditions like Three are sisters B comes from Red C comes from Blue Qns were asked based on that

15.A Father is willing his estates like this. If a boy is born, wife has $\frac{1}{3}$ part and remaining for boy. If a girl is born, Wife has $\frac{2}{3}$ and remaining for the girl. But twins (Boy + Girl) are born. What is the share that the daughter would get?

16.MBA, GRE prob from Barrons GRE (Don know whether it is there in all GRE Editions). Ans: GMAT, CAT (Sure)

17. If ü - Married

û - Not Married and

M-ü N-û

N-ü L-û

L-û M-ü

Who is married? Ans: N

Interview

(A panel with 2 people- one HR & one Tech Guy)

18.Tell me abt urself.

19.You specify that you get irritated when things dont go in the pace you want them to.Then how do you handle a team?

20.tell us about ur projects

21. Tell me wht is a foreign key(DBMS) .First tell me what is a key?

22.What happens when an application is opened as like an MS Word and u press Tab key then the response seen is the cursor moving a bit on the Word document.So,what r the processes (no jargon,give the proper technical terms) behind this whole thing happening?

23.Do u think ur project is saleable? What rating

24.What r the things u will do to reduce the processing time of your project?

25.What can you do to decrease the time taken for processing a file in a batch processing system?

Deloitte Old Placement Test Paper

1. The positions of how many digits in the number '89154326' will remain unchanged after the digits within the number are rearranged in descending Order?

A.One B.Two C.Three D.More than three

Answer: D

Explanation:

8 9 1 5 4 3 2 6 9 8 6 5 4 3 2 1

2. Among A, B, C, D and E each having scored different marks, B has scored more marks than End D, B has not scored the highest marks among them. Who among them scored second highest marks ?

A.B B.C C.E D.Data inadequate

Answer: D

3. In a certain code language 'how old are you' is written as '9 7 3 4' and he is old' is written as '2 7 5'.How is 'he' written in that code language ?

A.2 B.5 C.2 or 5 D.Data inadequate

Answer: C

Explanation:

how old are you he is old 9 7 3 4 2 7 5- code is either 2 or 5

4. W walked 30 metres towards South, took a left turn and walked 50 metres, again he. took a left turn and walked 30 metres. How far is he from the starting point ?

A.80 metres B.130 metres C.100 metres D.50 metres

Answer: B

5. Directions (15-18): The following questions are based on the five three digit numbers given below: 972 526 487 359 251 If the positions of the first and second digits are interchanged which of the following will be third if they are arranged in ascending order?

A.359 B.972 C.526 D.487

Answer: A

6. If 2 is added to the sum of the digits of each of the above numbers how many will be multiples of 5?

A.One B.Two C.Three D.None of these

Answer: C

7. If the digits in each of the above numbers are written in reverse order which will be the second highest number?

A.251 B.359 C.487 D.526

Answer: C

8. If the positions of the digits of each of the numbers are interchanged such that the first becomes second, second becomes third and third becomes first, which, of the following will be the highest?

A.526 B.487 C.251 D.359

Answer: D

9. Directions (Q. 19-25): In each of the questions below are given four statements followed by three conclusions numbered I, II & III. 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: All chairs are keys. All keys are balloons. Some balloons are mirrors. Some mirrors are desks. Conclusions: I. Some desks are keys. II. Some balloons are chairs. III. Some mirrors are balloons.

A. Only I follows B. Only II follows C. Only III follows D. Only II and III follow

Answer: D

Explanation:

All keys are balloons.+Some balloons are mirrors. A+1 No conclusion All chairs are keys.+ All keys are balloons A+A=A All Chairs are balloons conversion Some balloons are chairs (1)Hence ii follows some balloons are mirrors (1)conversion Some mirrors are balloons (1)Hence iii follows

10. Statements: Some drums are posters. All posters are windows. Some windows are tablets. All tablets are books. , Conclusions: I. Some windows are drums. II. Some books are posters. III. Some tablets are drums

A. None follows B. Only I follows C. Only II follows D. Only I & II follows

Answer: B

Explanation:

Some drums are posters. + All posters are windows = $1 + A = 1$ = some drums are windows conversion
some windows are drums 1 follows. All posters are windows + Some windows are
tablets. = $A + 1$ = Hence no conclusion, neither ii nor iii

11. The positions of the first and the second digits in the number 85341279 are interchanged. Similarly, the positions of the third and the fourth digits are interchanged, and so on, till the positions of the seventh and the eighth digits. Which of the following will be the third to the right of 3 after the rearrangement?

A.9 B.7 C.8 D.2

Answer: A

Explanation:

Exp-Given number 8 5 3 4 1 2 7 9 After re arrangement 5 8 4 3 2 1 9 7

12. In a certain code language 'over and above' is written as 'da pa ta' and 'old and beautiful' is written as 'sa na pa'. How is 'over' written in that code language?

A.da B.ta C.na D.da or ta

Answer: A

Explanation:

Exp Over and above = da pa ta... (i) Old and beautiful = sa na pa ... (ii) From (i) and (ii) and = pa (iii)
Using (iii) in (ii) over = da or ta

13. What should come next in the following letter series?

H G F E D C B A G F E D C B A F E D C B A

A.E B.F C.G D.B

Answer: A

Explanation:

H G F E D C B A / G F E D C B A / F E D C B A / E...

14. Mohan correctly remembers that his father's birthday is before twentieth January but after sixteenth January, whereas his sister correctly remembers that their father's birthday is after eighteenth January but before twenty-third January. On which date in January is definitely their father's birthday?

A.Eighteenth B.Nineteenth C.Twentieth D.Data inadequate