

## DXC Technology Recruitment Process for Freshers

DXC Hiring Rounds
Online Test
Technical Interview
HR Round

## DXC Technology Recruitment - Online Test Pattern

The Online Test of DXC Technology is a **100-minute test** that is conducted on the Aspiring Minds (AMCAT) platform. This year, the test is **webcam proctored**.

Section	No. of Questions	Duration (minutes)	Important topics/ Comments
English	12	15	Sentence Completion, Para-jumbles, Vocabulary, Idioms, Phrasal Verbs, Sentence Improvement, Grammar
Logical Reasoning	14	14	Data Arrangements, Blood Relations, Direction Sense, Coding and Decoding, Odd Man Out, Series, Data Sufficiency, Data Interpretation
Quantitative Aptitude	16	16	Surds and Indices, Profit and Loss, Partnerships, Simple and Compound Interest, Simplification, Permutation and Combination, Equations, Numbers, HCF and LCM
Computer Programming MCQs	12	15	Pseudocode, Basic Data Structures, Fundamentals of Programming (Data Types, Operators, Arrays, Pattern Programming, Math Based, Functions, Pointers etc.), Object Oriented Programming
Automata Fix (Debugging, Code Review, Coding)	7	20	1. Choice of languages between C, C++ and Java 2. Questions of the types - Coding, Code Re-use, Debugging 3. Fundamentals of Programming and OOPS required
Essay Writing	1	20	Straight-forward easy topics such as 'Importance of Culture and Tradition', 'Role of Sports in Youth Education', 'Importance of Education' etc.  There would be a minimum word limit.

A certain sum of money amounts to ₹2,500 in a span of 5 years and ₹3,000 in a span of 7 yrs. At simple interest. The sum is:

- A) ₹1,000
- B) ₹1,200
- C) ₹1,050
- D) ₹1,250

Q.No:1

A show room offers a 10% discount on a microwave, whose marked price is ₹8,000, and also gives a blender worth ₹1,200 as a complimentary gift with it. Even then, the showroom earns a profit of 20%.

The cost price per microwave is:

- A) ₹7,200
- B) ₹6,000
- C) ₹5,000
- D) ₹4,000
- E) ₹4,800

Q.No:2

What sum of money will accumulate to ₹5,300 at 8% simple interest in 9 months?

- A) ₹5,000
- B) ₹5,400
- C) ₹4,500
- D) ₹4,000

Q.No:3

An aeroplane flies along the sides of an equilateral triangle with speed of 300 km/hr, 200 km/hr, 240 km/hr.

The average speed of the plane while flying around the triangle is:

- A) 250 km/hr
- B) 275 km/hr
- C) 200 km/hr
- D) 240 km/hr

Q.No:4

$$\sqrt{9 - \sqrt{3 + \sqrt{5 - \sqrt{3 + \sqrt{169}}}}} = ?$$

- A)  $\sqrt{7}$
- B) 1
- C) 0
- D)  $\sqrt{5}$

Q.No:5

Among the given options, identify the one that does NOT lie in the range:

$$1/6 < X < 17/12$$

- a) 2/7
- b) 1/2
- c) 4/3
- d) 13/11
- e) 20/13

Q.No:6

A machine worth ₹1,80,000 depreciates at the rate of 18% of the value of the machine per annum.

The value of the machine in 18 months from now will be:

- A) ₹2,31,516
- B) ₹1,34,316
- C) ₹1,50,000
- D) ₹1,00,000

Q.No:8

The correct relationship after eliminating x, y and z from  $x + y = a$ ,  $y + z = b$ ,  $z + x = c$  and  $x + y + z = m$ , is:

- A)  $m = x + y + z$
- B)  $2m = a + b + c$
- C)  $m = x - y - z$
- D)  $2m = x - y - z$
- E) None

Q.No:7

If  $m^n = 2401$ ,  
then  $m/n = ?$

- A) 4/7
- B) 7/4
- C) 11/3
- D) 4/11

Q.No:9

If a ball is drawn at random from a box containing 6 red, 4 blue and 5 white balls, what is the probability that the ball drawn is red or blue?

- A)  $\frac{1}{3}$
- B)  $\frac{2}{3}$
- C)  $\frac{7}{15}$
- D)  $\frac{2}{5}$

Q.No:10

Ramesh, Abhijeet and Ajay are eligible to be the captain of the cricket team. Shaid, John, Shisir and Nitin are eligible to be the co-captain. How many possible outcomes are there for choosing a captain and a co-captain?

Q.No:11

- A) 12
- B) 7
- C) 9
- D) 16

A man bought 400 meters of cloth for ₹40,000 and sold it at a rate of ₹200 per one and a half meter. What was his percentage profit or loss?

Q.No:12

- A) 36% loss
- B) 25% profit
- C) 33% profit
- D) 27% loss

Product of two odd numbers is:

- A) Always odd
- B) Always even
- C) Sometimes odd and sometimes even
- D) Divisible by 6

Q.No:13

Rahul purchased 7 Dvds each of which costs ₹17. He gave a five hundred rupee note to the shopkeeper. The amount returned to him is divisible by:

Q.No:14

- A) 3
- B) 7
- C) 9
- D) 11

Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer. While Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

Q.No:15

- A) 7 hours 30 minutes
- B) 8 hours
- C) 8 hours 15 minutes
- D) 8 hours 25 minutes

What are the values  
For X & Y in 72X23Y  
for it to be perfectly  
divisible by 88?

Q.No:16

- A)  $X = 1$  &  $Y = 5$
- B)  $X = 7$  &  $Y = 5$
- C)  $X = 3$  &  $Y = 2$
- D)  $X = 7$  &  $Y = 2$

Given signs signify something and on that basis, assume the given statement to be true. Answer the question basis the information provided.

"!" denotes "greater than"

"\*" denotes "equal to"

"+" denotes "less than"

"\$" denotes "not equal to"

"x" denotes "not less than"

"%" denotes "not greater than"

A!B!C does not imply

Q.No:17

- A) B+A!C
- B) C+B+A
- C) C+A!B
- D) B+A+C

Odd one out.

Q.No:18

- A) LABLOTOF
- B) ONSEL
- C) CEKTRIC
- D) SNINET

Pointing to a man, a girl said, "He is the husband of the grand daughter of the mother of my mother". How is the man related to the girl?

Q.No:19

- A) Cousin
- B) Brother-in-law
- C) Brother
- D) Father

Vikas ranks 9<sup>th</sup> in the class.  
How many students are there in the class?

Statements:

- I) His friend got the 35<sup>th</sup> rank which is the last rank.
- II) His rank from the last is 27<sup>th</sup>.

Q.No:20

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

One day, Raja left home and cycled 5km Southwards, turned left and cycled 2km and turned left again and cycled 3km. Then he turned right and cycled 5km. How many kilometers will he have to cycle to reach his home straight?

Q.No:21

- A) Square root of 53
- B) Square root of 54
- C) Square root of 55
- D) Square root of 56

Odd one out.

- A) ACFI
- B) CEHL
- C) PRUY
- D) SUXZ

Q.No:22

Among the four students – P, Q, R and S, who is the shortest?

Statements:

- I) R is taller than Q, but smaller than P.
- II) Q is taller than S

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

Q.No:23

EHKN: FGLM:: CFIL: ?

- A) DEJK
- B) DGJM
- C) BEHK
- D) BGJM

Q.No:24

10, 7, 12, 10, 14, .....

- A) 18
- B) 12
- C) 13
- D) 16

Q.No:25

"#" denotes "greater than"  
 "/" denotes "equal to"  
 "&" denotes "not equal to"  
 "+" denotes "lesser than"  
 "%" denotes "a little more than"  
 "\*" denotes "a little less than".  
 If AC%BC, then

- A) A/C
- B) B#C
- C) C#B
- D) B+A

Q.No:26

In a section of cinema hall, seats are arranged so that each row has the same number of seats. Abdul is seated in the 5<sup>th</sup> row from the front and 3<sup>rd</sup> row from the back. If his seat is 6<sup>th</sup> from the left and 2<sup>nd</sup> from the right, how many seats are there in this section?

- A) 52
- B) 49
- C) 45
- D) 55

Q.No:27

Recycling 900kg of paper saves 17 trees.  
How many trees are saved when  
1200kg of paper are recycled?

Q.No:28

- A) 19
- B) 25
- C) 20
- D) 22

A restaurant prepares 22 litres of a mixture  
that contains 25% of orange essence and  
the remaining quantity as water. If 3 litres  
Of Water is mixed in this mixture, what  
will be the percentage of orange essence  
in the new mixture?

Q.No:29

- A) 34%
- B) 4%
- C) 12%
- D) 22%

Sudha purchased 3kg potato from market.  
She used  $\frac{1}{4}$  of it in cooking baked potatoes  
and  $\frac{1}{4}$  of remaining in mixed vegetables.  
What quantity of potatoes is she left with?

Q.No:30

- A) 1.5kg
- B) 2kg
- C) 1kg
- D) 2.5kg

Zegna car was in rage two years back and  
it cost ₹5,60,000 then. Now, however,  
with many new hi-tech cars coming into  
the market, the price of the car has dipped  
to ₹4,00,000. Find the decrease in price of  
the car as a percentage of the old price.

Q.No:31

- A) 28%
- B) 28.57%
- C) 40%
- D) 71.42%

If a positive integer  $n$  is divided  
by 5 then the remainder is 3.  
Which of the given numbers  
will give remainder 0,  
when divided by 5?

Q.No:32

- A)  $n + 3$
- B)  $n - 2$
- C)  $n + 2$
- D)  $n + 1$

A field person of a customer care department  
of a company on an average attends to  
3 complaints. If customer care receives  
about 200 complaints daily, and have 45  
field persons to attend to these, how  
many complaints are to be out sourced?

Q.No:33

- A) 145
- B) 135
- C) 55
- D) 65

There are 3 main steps of completion of a project- Development, Review and Roll out. After development. There are 4 people who can independently work and lead the process to the next step i.e, review. Further ahead, there are 5 people who can work independently and lead to the next step i.e Roll-out. In how many ways can a project manager complete the project?

- A) 20
- B) 9
- C) 15
- D) 25
- E) 18

Q.No:34

A number when divided by the sum of 625 and 515 gives a quotient that is 5 times the difference between 625 and 515 and remainder as zero. What is the number?

- A) 632500
- B) 627000
- C) 617500
- D) 642000

Q.No:35

Which of the given numbers is divisible by 3, 7 and 11?

- A) 1,393
- B) 1,396
- C) 1,380
- D) 1,386

Q.No:36

A salesman has a record of selling even rejected pieces to his customers without letting them know that the product is actually faulty. His skills are rated with a probability of 80% efficiency. If he is given 20 faulty items, how many will he be able to sell?

- A) 80
- B) 20
- C) 16
- D) 4

Q.No:37

A three digit number 7a2 is added to another 3 digit number 685 which results in a 4 digit number 13b7. This 4 digit number is divisible by 11. What is the value of a+b?

- A) 8
- B) 9
- C) 10
- D) 11

Q.No:38

The light from a laser beam travels at a speed of 3,00,000,000 meters per second. How far can it be seen within 20 nano sec, assuming that there is no obstruction in between? (20 nano sec =  $20 \times 10^{-9}$  sec)

- A) 3 m
- B) 20 m
- C) 6 m
- D) 0.6 m

Q.No:39

Namita has 4.2 kg of flour. She has been asked to make 5 cup cakes out of every  $\frac{1}{2}$  kg of flour. How many cup cakes can she bake out of the flour she has?

- A) 21
- B) 24
- C) 30
- D) 42

Q.No:40

Abu company provides taxi for call center employees. The company has 7 Taveras, 5 Qualis, 6 Innovas and few small cars. If Tavera makes one fourth of the total fleet, how many small cars are there in the company?

- A) 12
- B) 7
- C) 6
- D) 10

Q.No:41

Akhil travels first half of the distance at 50m/s and second half at 75m/s. The total distance travelled is 3km. Find his average speed of travel for the entire journey.

- A) 60m/s
- B) 62.5m/s
- C) 55m/s
- D) 65m/s

Q.No:42

Choose the odd one out.

- A) HAIR
- B) LIAR
- C) FAIR
- D) PAIR

Q.No:43

Indu walks 30 meters west and takes a left turn to walk 10 meters, then takes left turn again and walks 40 meters, and takes another left turn and walks 20 meters. In which direction is she standing now from the starting point?

- A) North-East
- B) South-East
- C) North-West
- D) North

Q.No:44

What is the name of Amrita's father?

Statements:

- I) Smriti is Amrita's mother.
- II) Akhilesh is the husband of Smriti.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

Q.No:45



Sahiti is facing South-East. She turns  $180^\circ$  in the clockwise direction, then  $360^\circ$  in the anticlockwise direction and then another  $270^\circ$  in the clockwise direction. Which direction is she facing now?

- A) South
- B) South-West
- C) West
- D) South-East

Q.No:46

Problem question: When is Rahul's birthday?

Statements:

- I) His birthday is before 25<sup>th</sup> and after 22<sup>nd</sup> November.
- II) His birthday is after 23<sup>rd</sup> and before 26<sup>th</sup> November.

- A) Statement I alone sufficient
- B) Statement II alone sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient

Q.No:47

Meeru has lost her way home and was standing 25 meters away from her house in the south-west direction. She walks 20 meters north and reaches point A. How far and in which direction would she have to walk to reach her house?

- A) 20 meters, East
- B) 15 meters, East
- C) 15 meters, West
- D) 20 meters, West

Q.No:48

If **RESULT** is coded as **SFTVMU**  
then **EXAM** is coded as:

- A) FWBO
- B) DYZL
- C) FYBN
- D) DXZL

Q.No:49

If there are 150 babies born every minute, how many babies share the same birth date world wide?

- A) 2,24,000
- B) 2,16,000
- C) 2,25,000
- D) 2,18,000

Q.No:50

Consider the following parameters:

- A) A boat travels 300 meters upstream in 15mins.
- B) Its speed downstream is  $\frac{8}{5}$  times its speed upstream.

Which of the given options provides the correct relationship between speed of current and speed of the boat?

- A) Speed of the current =  $\frac{12}{10}$  times the speed of the boat
- B) Speed of the current =  $\frac{3}{13}$  times the speed of the boat
- C) Speed of the current =  $\frac{12}{10}$  times the speed of the boat
- D) Speed of the current =  $\frac{9}{13}$  times the speed of the boat

Q.No:51

A scuba diver descends at a rate of 40 feet per minute. A diver dives from a ship to search for a lost ship at the depth of 3000 feet below sea level. How long will he take to reach the ship?

- A) 70 minutes
- B) 72 minutes
- C) 75 minutes
- D) 76 minutes

Q.No:52

Rahul played well in this season. His current batting average is 51. If he scores 78 runs in today's match, his batting average will become 54. How many matches had he played in this season?

- A) 8
- B) 10
- C) 9
- D) 6

Q.No:53

A television manufacturing company has decided to increase the sale to beat the economic slowdown. It decides to reduce the price of television sets by 25% as a result of which the sales increased by 20%. What is the effect on the total revenue of the company?

- A) Decreased by 20%
- B) Increased by 20%
- C) Increased by 10%
- D) Decreased by 10%

Q.No:54

The boss accepts only one employee's leave request for a particular day. If five employees named Ronak, Mahesh, Shripal, Mohanpriya and Shreyansh applied for leave on the occasion of Ganesh Chaturthi. What is the probability that Ronak's leave request will be approved?

- A)  $\frac{2}{3}$
- B) 1
- C)  $\frac{4}{5}$
- D)  $\frac{1}{5}$

Q.No:55

If an integer "k" is divisible by 2, 5 and 13, what is the next largest number that is divisible by all the three given numbers?

- A) 2k
- B)  $k + 13$
- C)  $2k + 13$
- D)  $2k + 65$
- E)  $k + 130$

Q.No:56

If  $10_{C_x} = 1$ , then what is the value of x if  $x \neq 0$  ?

- A) 1
- B) 5
- C) 10
- D) 15

Q.No:57

What is the least amount that a person can have such that when he distributes it into groups of ₹16 or ₹20 or ₹25, he is always left with ₹4 ?

- A) ₹1,796
- B) ₹1,804
- C) ₹2,596
- D) ₹3,604

Q.No:58

A train runs at a speed of 42 m/s and takes 35 seconds to pass a tunnel. After travelling some distance, it takes 15 seconds to pass a pole. What is the length of the tunnel?

- A) 162 m
- B) 630 m
- C) 840 m
- D) 240 m

Q.No:59

Find the value of X:  
 $0.009/X = 0.01$

- A) 0.0009
- B) 0.09
- C) 0.9
- D) 9

Q.No:60

Martha was supposed to multiply the number of cans sold with the price of one can to ascertain the amount earned by her, instead of taking 41 as the number of cans, she wrote 14 by mistake. As a result, the product went down by 135. what is the other multiplier?

- A. 5
- B. 7
- C. 9
- D. 12

Q.No:61

What is the value of  $6^{-2}$  ?

- A) 1/36
- B) 36
- C) -36
- D) None of the above

Q.No:62

The value of  $(\frac{1}{512})^{1/9}$  is:

- A)  $\frac{1}{2}$
- B)  $\frac{1}{3}$
- C)  $\frac{1}{4}$
- D)  $\frac{1}{6}$

Q.No:63

A supplier supplies cartridges to a newspaper publishing house. He earns a profit of 20% by selling cartridges for ₹540. Find the cost price of the cartridges?

- A) ₹500
- B) ₹480
- C) ₹450
- D) ₹400

Q.No:64

In a match, awards are given to each of 11 members of the team and a trophy to the team. In all winning team gets 2.75kg weight awards. If the weight of match winning trophy is 1.275kg, what is the weight of the award given to each player?

- A) 200 grams
- B) 150 grams
- C) 124 grams
- D) 134 grams

Q.No:65

From the given choices select the odd one out.

- A) BCEH
- B) PQSV
- C) CDGK
- D) STVY

Q.No:66

Problem question: How is Mr. Sharma related to Santosh?

Statements:

- I) Santosh's mother has two daughters
- II) Santosh's sister is the wife of Mr. Sharma's son

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

Q.No:67

Problem question: In which year was Rashmi born?

Statements:

- I) Rashmi is four years younger to her brother
- II) Rashmi's brother was born in 1998

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

Q.No:68

5, 25, 61, 113, .....

- A) 181
- B) 121
- C) 212
- D) 241

Q.No:69

If NORMAL is coded as LAMRON,  
then SYSTEM is coded as:

- A) TXTUDN
- B) METSYS
- C) TZTUFN
- D) METSSY

Q.No:70

Mayank travelled a distance of 80 m towards North. Then he turns right and travels 65m, then again turns northwards and travels 45m. He further travels by turning 45 degree clockwise. Towards which direction is he running now?

- A) North
- B) West
- C) South-West
- D) North-East

Q.No:71

Mallika, Maneni, Pallavi, Nikita and Suhana are seated in a conference hall facing the stage which is in the North. They are all scattered in such a manner that they do not occupy adjacent seats. The seating arrangement is as given below:

1. Maneni is seated 10 seats away, to the right of Suhana.
2. Pallavi is seated 20 seats away, to the left of Nikita.
3. Mallika is seated 30 seats in front of Suhana.
4. Nikita is seated 15 seats to the right of Suhana.

Who amongst the given options are **NOT** seated in a linear pattern?

- A) Pallavi, Suhana, Maneni
- B) Mallika, Suhana, Maneni
- C) Pallavi, Suhana, Nikita
- D) Pallavi, Maneni, Nikita

Q.No:72

Shivam put his wall clock on a table in such a way that at 9 a.m, the hour hand was pointing South. In which direction will the minute hand point at 9.30 p.m?

- A) South
- B) North
- C) West
- D) East

Q.No:73

If North-West becomes East and North-East becomes South and so on, then what does East become?

- A) South-West
- B) North-East
- C) North-West
- D) South-East

Q.No:74

QDXM: SFYN::UIOZ:?

- A) PAQM
- B) LPWA
- C) QNLA
- D) WKPA

Q.No:75

If **WORD** is coded as **9753**,  
then **DOOR** is coded as:

Q.No:76

- A) 3579
- B) 3559
- C) 9357
- D) 3775

A can finish a job in 12 hours and B in 14 hours, A & B work alternatively, starting with A. If A earns ₹50 per hour, how much does A earn through this job?

- A) ₹400
- B) ₹250
- C) ₹300
- D) ₹350

DXC:77

Simplify:  $\frac{3}{7} + 22\frac{4}{7} - \frac{2}{8}$  divided by  $\frac{1}{4}$

- A) 22
- B) 21
- C)  $3\frac{2}{7}$
- D)  $3\frac{3}{7}$

DXC:78

A started a business with ₹2,70,000 and was joined by B three months afterwards. How much money did B invest if the profit share of A at The end of the year was three-fifth of the total profit?

- A) ₹2,80,000
- B) ₹1,00,000
- C) ₹2,70,000
- D) ₹2,40,000

DXC:79

What will be the value of A and B:  
 $A8 + 96 = 1AB$

- A) A=2, B=4
- B) A=4, B=2
- C) Inconsistent data
- D) Insufficient data

DXC: 80

The unit digit of  $3^{34}$  is

- A) 7
- B) 9
- C) 3
- D) 1

DXC: 81

$a/b$  is a fraction where  $a < b$ , if  $n$  is added to both numerator and denominator, then which one is greater:  $a/b$  or  $(a + n)/(b + n)$

- A)  $a/b$
- B)  $(a + n)/(b + n)$
- C) Both are equal
- D) Cannot be determined

DXC: 82

A bank advertises that you can double the money by investing it with them for 8 years. What is the interest rate offered by them?

- A) 12.50%
- B) 10%
- C) 8.50%
- D) 14%

DXC: 83

If the sum of two numbers is 27 and their HCF and LCM are 3 and 60 respectively, then the sum of the reciprocal of the two numbers is:

- A)  $1/10$
- B)  $1/5$
- C)  $3/10$
- D)  $3/20$

DXC: 84

What is the highest power of 2 in the following expression?  
 $1800 \times 25 \times 4^8 \times 21^2 \times 45^{-2}$

- A) 19
- B) 21
- C) 20
- D) 18
- E) 17

DXC: 85

If we permute 5 letters of the word 'lemon' in 5! Ways. In how many words vowels do not come together?

- A) 120
- B) 72
- C) 48
- D) 24

DXC: 86

The number of 6-digit numbers that can be formed from 0, 1, 5, 6, 7 and 8 in which the first digit is not 0 are:

- A) 120
- B) 600
- C) 720
- D) 800

DXC: 87

If Manasa scores 66 out of Hundred Then how much does she score out of 75?

- A) 50
- B) 60
- C) 66
- D) 45

DXC: 88

If EAGLE is coded as FZHKF, what is the code for THANKS?

- A) UGBMLR
- B) RGZMJT
- C) UIBOLT
- D) RIAOJT

DXC: 89

9, 54, 135, 252,...

- A) 400
- B) 405
- C) 380
- D) 420

DXC: 90

Pick the odd man out.

- A) FHKO
- B) CEHL
- C) ZBEJ
- D) XZCG

DXC: 91

Ionization energy decreases with the increasing size of metal atom. Out of cesium, lithium, potassium and sodium, Which will have the lowest ionization energy?

Statements:

- I) Cesium has the largest size.
- II) The size of sodium lies between potassium and lithium.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

DXC: 92

Pentamma is standing at a point A facing North. She walks 15 mt. to her left and takes an about turn and walks 30 meters. How far and in which direction is she from the starting point?

- A) 15 meters, West
- B) 15 meters, East
- C) 45 meters, East
- D) 45 meters, West

DXC: 93



Pointing to a woman, a man said, "Her father is the only son of my mother". How is the man related to the woman?

- A) Father
- B) Cousin
- C) Nephew
- D) Brother

DXC: 94

Siri moves a distance of 9 meters towards East. She then moves towards South and travels a distance of 4 meters. From here, she moves a distance of 6 meters towards West. How far is the starting point from her final position?

- A) 3 meters
- B) 4 meters
- C) 5 meters
- D) 7 meters

DXC: 95

"%" denotes "greater than"  
 ">" denotes "equal to"  
 "=" denotes "not less than"  
 "@ " denotes "not equal to"  
 "#" denotes "less than"  
 "\*" denotes "not greater than"

Statements

A%B, C=E, D\*B

Conclusions

I. A#D

II. C\*E

- DXC: 96
- a) Only conclusion I is true
  - b) Only conclusion II is true
  - c) Either conclusion I or II is true
  - d) Neither conclusion I nor II is true

When is Priyanka's birthday?

Statements:

I) She was born after 19<sup>th</sup> but before 25<sup>th</sup> September.

II) She was born in a leap year.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

DXC: 97

Pick the odd man out.

- A) KML
- B) PRQ
- C) NPQ
- D) TVU

DXC: 98

Pick the odd man out.

- A) AEK
- B) DFH
- C) TWZ
- D) MOQ

DXC: 99

Parul is one-fifth the age her mother was 15 years ago and parul's brother is three-fifth the age his mother was 10 years ago. If the sum of Parul and her brother's ages is 31, then how old is Parul's mother?

- A) 50
- B) 40
- C) 35
- D) 60

**100**

Given that the interest is only earned on principal, if an investment of ₹1000.00 amounts to ₹1440 in two years, then what is the rate of interest earned?

- A) 20%
- B) 22%
- C) 21%
- D) 11%
- E) 44%

**101**

20 men can do a job in 10 days, working 8 hours a day. If women are 33.33% more efficient than men, how many women will it take to finish the same job in 10 days, working 6 hours a day?

- A) 10
- B) 12
- C) 15
- D) 16
- E) 20

**102**

Which is better: a successive discount of 40% and 30% or a discount of flat 70%?

- A) Both are equivalent
- B) 40% and 30%
- C) 70%
- D) None of the above

**103**

Surekha travels 10km to reach her office. She walks 0.5km on foot at a speed of 8kmph to catch her chartered bus which travels at a speed of 40kmph. Time taken by her to reach the office is:

- A) 15 min
- B) 20 min
- C) 18 min
- D) 30 min

**104**

2185 is a multiple of :

- A) 17
- B) 21
- C) 23
- D) 25

**105**

Jaya bought a car worth ₹3,50,000 four years ago. If the value of the car depreciates over time at a fixed rate of 10% per annum, then what will be the present worth of the car?

- A) ₹2,29,635
- B) ₹2,50,000
- C) ₹2,30,000
- D) ₹2,55,150

106

If LCM and HCF of two numbers are 234 and 13 respectively, then the smallest factor of the product of the two numbers is:

- A) 2
- B) 3
- C) 4
- D) 5

107

What is the value of  $\left(-\frac{3}{7}\right)^{-4}$  ?

- A) 81/2401
- B) 2401/81
- C) 18/2401
- D) 81/2410

108

What are the largest 4-digit and the smallest 3-digit numbers divisible by 6, 15, 21 and 24?

- A) 9235, 420
- B) 9980, 840
- C) 9240, 840
- D) 9999, 999

109

10 scooters, 5 motorcycles and 15 cars are parked in the parking area of a market. What is the probability that a scooter will leave the parking first?

- A)  $\frac{1}{6}$
- B)  $\frac{1}{2}$
- C)  $\frac{3}{5}$
- D)  $\frac{1}{3}$

110

Ritu visited a mall where tokens are given while submitting the belongings at the entrance. Tokens are lettered a, b, c,.....z. Guard gives the token at random. What is the probability that token given to Ritu is consonant?

- A) 5/21
- B) 21/26
- C) 5/26
- D) 26/21

111

One third of a two digit number exceeds its one fourth by 7. What is the sum of digits of the number?

- A) 72
- B) 84
- C) 15
- D) 12

112

Evaluate:

$$\frac{(4.56^3 + 5.44^3)}{(4.56^2 - 4.56 \times 5.44 + 5.44^2)}$$

- A) 0.88
- B) -0.88
- C) 1
- D) 10

113

Find n if  
 $(2^{228} / 2^n) = 512$

- A) 219
- B) 218
- C) 237
- D) None

114

What is the relationship between the fractions 14/15 and 37/40?

- A)  $14/15 = 37/40$
- B)  $14/15 > 37/40$
- C)  $14/15 < 37/40$
- D) Cannot be determined

115

Pick the odd man out.

- A) AE5
- B) DF6
- C) HN14
- D) KP18

116

CEHL : MORV :: WYBF : ?

- A) GIKM
- B) GILP
- C) GJMP
- D) GHJM

117

Pick the odd man out.

- A) N3K
- B) T4P
- C) W5S
- D) Q2O

118

"x" denotes "larger than"  
 "+" denotes "equal to"  
 "-" denotes "not equal to"  
 "/" denotes "smaller than"  
 "%" denotes "not smaller than"  
 "\*" denotes "not larger than"  
 If A/B and B/C, then?

- A) A+C
- B) AxC
- C) A-C
- D) A% C

119

2, 4, 12, 48,.....

- A) 480
- B) 240
- C) 960
- D) 340

120

How is Sangeeta related to Manoj?

Statements:

- I) Manoj is the only son of Sangeeta's father.
- II) Rohit is Manoj's father.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statements is sufficient

121

Introducing a man, a woman said, "He is the husband of my mother's daughter".  
How is the women related to the man?

- A) Mother
- B) Daughter
- C) Sister
- D) None of these

122

Nitish sold his watch and sunglasses at a loss of 4% and gain of 4% respectively for ₹2,600 to Kamal, Kamal sold the same sunglasses and watch at a loss of 4% and gain of 4% respectively for ₹2,700. The price of watch and sunglasses to Nitish were:

- A) ₹1,950, ₹700
- B) ₹2,000, ₹1,000
- C) ₹1,900, ₹700
- D) ₹800, ₹2,000

123

Divide the sum of  $\frac{3}{5}$  and  $\frac{8}{11}$  by their difference.

- A)  $\frac{7}{73}$
- B)  $\frac{73}{7}$
- C)  $\frac{11}{15}$
- D) None

124

Write  $81\frac{3}{14}$  as an improper fraction

- A)  $\frac{243}{14}$
- B)  $\frac{1131}{14}$
- C)  $\frac{1137}{14}$
- D)  $\frac{1134}{14}$

125

Solve  $[13^{-1} + 14^{-1} + 15^{-1}]^0$

- A) 0
- B) 1
- C) -1
- D) None

126

Two pipes A & B can separately fill a cistern in 220 minutes and 330 minutes. Together, they can fill the cistern in:

- A) 1 hour 32 minutes
- B) 1 hour
- C) 2 hour 12 minutes
- D) 2 hour
- E) None of the above

127

4522 is not divisible by:

- A) 7
- B) 17
- C) 19
- D) 21

128

If the LCM and HCF of two numbers are 78 and 13 respectively, the product of two numbers can be expressed as:

- A)  $2 \times 3 \times 13 \times 11$
- B)  $2 \times 3 \times 13 \times 12$
- C)  $2 \times 3 \times 13 \times 13$
- D)  $2 \times 3 \times 13 \times 14$

129

From a group of 8 men and 8 women, 8 members are to be selected for a team such that women constitute at least 50% of the team. In how many ways can it be done?

- A)  ${}^8C_4 \times {}^8C_4 + {}^8C_5 \times {}^8C_3 + {}^8C_6 \times {}^8C_2 + {}^8C_7 \times {}^8C_1 + {}^8C_8$
- B)  $8^4 \times 8^4$
- C)  ${}^8C_4 \times {}^8C_4$
- D)  $8^4 \times 8^4 + 8^3 \times 8^5 + 8^2 \times 8^6 + 8^7 \times 8 + 1$

130

In a town of 2,00,000 citizens, if the population increases at the rate of 4% per annum, then what will be the population of the town in 2 years from now?

- A) 2,10,000
- B) 3,55,555
- C) 1,84,320
- D) 2,16,000
- E) 2,16,320

131

The number of ways in which 8 different flowers can be strung to form a garland so that 4 particular flowers are never separated are ?

- A) 960
- B) 2880
- C) 288
- D) 576

132

Rajesh commutes daily by travelling  $\frac{4}{5}$  of the distance between his home and office by Metro train,  $\frac{3}{20}$  by auto and remaining 1km on foot. The distance between his home and office is:

- A) 12 km
- B) 16 km
- C) 24 km
- D) 20 km

133

odd one out.

- A) BCE
- B) HJN
- C) MPV
- D) NRW

134

How many people cast their vote in the MCD elections in metropolitan city – Delhi?

Statements:

- I) The population of India is 2 billion and population of each metropolitan city is 15% of the total.
- II) 33% of the total population of Delhi cast their votes in the MCD elections.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Either of the statements taken individually is sufficient
- D) Both statements put together are sufficient
- E) Both the statements even put together are not sufficient

135

2, 35, 104, 209,.....

- A) 350
- B) 308
- C) 418
- D) 362

136

Sharmila is a chemistry teacher. She forgot to bring her time-table and now wants to find out the schedule for XI-B. She knows that there are four subjects taught – Physics, Chemistry, Mathematics and Biology in four consecutive periods of one hour each starting from 9.00 a.m. At what time is the Chemistry period scheduled?

Statements:

- I. Mathematics period ended at 11.00 a.m., which was preceded by Biology.
- II. Physics was scheduled in the last period.

- A) I alone is sufficient while II alone is not sufficient
- B) II alone is sufficient while I alone is not sufficient
- C) Either I or II is sufficient
- D) Neither I nor II is sufficient
- E) Both I and II together are sufficient

137

Kapil drives 12 kms towards west and then 3 kms towards south. He then turns east and drives 8 kms. How far is he from his starting point?

- A) 4 kms
- B) 5 kms
- C) 9 kms
- D) 10 kms

138

A @ B means A is the mother of B.

A \* B means A is the father of B.

A % B means A is the son of B.

A – B means A is the daughter of B.

If P @ Q – R \* S, then how is R related to Q?

- A) Uncle
- B) Father
- C) Grandfather
- D) Brother

139

M and N have two children A and B. F is the spouse of B. D is the child of F. P is the son-in-law of N. K is the child of P. Who is the male child of M and N?

- A) B
- B) D
- C) A
- D) K

140

A lady walks 8 km towards east, then 3 km towards south and then she walks 4 km towards west. How far is she from his initial position and in which direction?

- A) 5 km towards south-east
- B) 7 km towards west
- C) 5 km towards south-west
- D) 8 km towards west

141



select the odd one out.

- A) BDF
- B) MQT
- C) HKN
- D) PTX

142

3, 7, 13, 21,.....

- A) 36
- B) 33
- C) 41
- D) 31

143

odd one out.

- A) PSRQ
- B) MNPO
- C) SVUT
- D) KNML

144

X says, pointing to Y,  
"He is my sister's only  
brother's son".  
How is Y related to X?

- A) Nephew
- B) Son
- C) Brother
- D) Uncle

145

If the product of two numbers  
are given, find the numbers?

Statements:

- I) Difference of the numbers is given
- II) Sum of the numbers is given

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

146

Who is the fastest among the three workers X, Y and Z?

Statements:

- I) X and Y together take 12 minutes to paint a room
- II) X, Y and Z together can complete the work in 17 minutes

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

147

If BLACK is coded as DNCEM,  
then ORANGE is coded as:

- A) QTPIG
- B) PSCOHF
- C) PSBOHF
- D) QTCOIG

148

Select the odd one out.

- A) BCEH
- B) PQSV
- C) CDGK
- D) STVY

149

A child while coming home from his school first goes 4 kms towards South-East, then 8 kms towards West. He then goes 4 kms towards north-west. In which direction is he from his school?

- A) East
- B) North
- C) South-East
- D) West

150

Sameer plants 7225 plants, so that there are as many rows as there are trees in a row. How many trees are there in a row?

- A) 75
- B) 95
- C) 85
- D) 65

151

How many three digit numbers can be formed using 2, 3, 4 and 5 with none of the digits being repeated?

- A) 20
- B) 45
- C) 24
- D) 10

DNC: 152

If  $n_{C_5} = n_{C_6}$ ,  
what is the value of  $15_{C_n}$  ?

- A) 1365
- B) 15!
- C) 11
- D) 11!

153

The number 2594\* is completely divisible by 6.  
The smallest value of \* can be:

- A) 0
- B) 2
- C) 4
- D) 6

154

Three successive discounts of 6%, 10%, 15% are equal to a single discount of

- A) 25%
- B) 28.90%
- C) 30%
- D) 31%
- E) 28.09%

155

Amit bought 10 cycles for ₹1,750 each. He sold four cycles for ₹8,400, three for ₹1,900 each. At what price should he sell the remaining cycles so as to earn an average profit of ₹320 per cycle?

- A) ₹1,900
- B) ₹2,000
- C) ₹1,800
- D) ₹2,050
- E) ₹2,200

156

A chemical mixture requires 2 chemicals, A and B in the proportion 3:2. The mixture is to be prepared in a tank of capacity 50 litres. Pipe A can fill the tank with chemical A in 15 min and pipe B can fill the tank with chemical B in 30 min. If both the pipes are opened when the tank is empty, then for how long should the pipes A and B run to obtain the mixture? (In minutes)

- A) (10, 10)
- B) (9, 9)
- C) (12, 12)
- D) (9, 12)
- E) (12, 9)

157

X walks 6km towards east from a point A and from the same point A, Y walks 8 km towards south. How far are the two friends from each other now?

- A) 14 km
- B) 2 km
- C) 10 km
- D) 5 km

158

Select the odd one out.

- A) AFB
- B) MRN
- C) KPL
- D) RXS

159

Five cars are parked in a row facing Eastward. E is parked to the left of A, B and C. B, C and A are parked to the left of D. C is parked between A and B. If B is parked fourth from the left, how far is A parked from the right?

- A) Fourth
- B) Third
- C) Second
- D) First

160

Among the four students of class V – Radha, Meera, Kamala and Geetanjali, who is the tallest?

Statements:

- I) Meera is shorter than Radha, but taller than Geetanjali
- II) Kamala is taller than Meera

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient

161

X is the wife of Y and Y is the brother of Z, Z is the son of P. How is P related to X?

- A) Sister
- B) Aunt
- C) Father-in-law
- D) Brother-in-law

162

A man moves 2 kms towards east, then 3 kms towards South and again 2 km towards west and then he goes 2 km towards the initial point from where he started. In which direction is he from his initial position?

- A) East
- B) South
- C) West
- D) North

163

What is the monthly salary of Raghu?

Statements:

- I) The salaries of Raghu and his brother are in the ratio 5:6 respectively.
- II) The salary of Raghu's brother is ₹32,000 per month

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

164

Angad introduces Geeta as the wife of the grandson of his mother. How is Angad related to Geeta?

- A) Father-in-law
- B) Brother-in-law
- C) Uncle
- D) Grandfather

165

Select the odd man out.

- A) FJN
- B) HLO
- C) CGK
- D) KOS

166

EKC : GMI :: OUM : ?

- A) QWO
- B) UAO
- C) UAS
- D) QWS

167

Select the odd man out.

- A) CEH
- B) PRV
- C) TVY
- D) MOR

168

If we permute 5 letters of the word 'mango'.  
The number of permuted words with 'n' at the second place are:

- A) 5
- B) 6
- C) 12
- D) 24

169

The number of 6-digit even numbers that can be made from the number 214635 are:

- A) 18
- B) 72
- C) 120
- D) 360

170

If the sum of 4 times a number A and three times a number B is equal to the sum of number B and seven times the number A, then what is the value of A:B?

- A) 2:3
- B) 3:2
- C) 4:3
- D) 3:4

171

What is the value of  $i^{34}$  ?

- A) -1
- B) 1
- C) 0
- D) i

172

A light blinks after every 3 sec, another light blinks after every 5 sec and the third one blinks after every 16 sec. How many times do they blink together in half an hour.

- A) 7 times
- B) 4 times
- C) 240 times
- D) 8 times

173

A company makes a mixture which contains 2% alcohol. If 10 litres of alcohol is added to the mixture, then the concentration increases to 5%. What is the approx. quantity of the mixture?

- A) 316
- B) 315
- C) 310
- D) 300

174

If  $a = 0.24$  &  $b = 1.76$ , then compute the following expression:

$$a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + b^4$$

- A) 1.52
- B) 4
- C) 1
- D) 2
- E) 16

175

A 20% reduction in the unit cost of an article enables one to buy 25 items more for ₹1,000. What is the original unit cost of the item?

- A) ₹12
- B) ₹8
- C) ₹10
- D) ₹15

176

What is the smallest square number which is divisible by 2, 4, 5, 6 and 9?

- A) 200
- B) 90
- C) 180
- D) 900

177

Give the greatest pair  
Of twin primes  
which are below 100?

- A) 71,73
- B) 93, 95
- C) 97, 99
- D) 87, 89

178

Give the greatest pair of twin primes  
which are below 100?

178

- A) 71,73
- B) 93, 95
- C) 97, 99
- D) 87, 89

#### Twin Primes

Two Prime Numbers differ by 2

3,5	5,7	11,13
17,19	29,31	41,43
59,61	71,73	

In a class of 80 students,  
4/5 of them own cars.  
If 15/16 of them own Alto  
then how many own alto?

- A) 64
- B) 20
- C) 60
- D) Data inconsistent

179

P is the son-in-law of S.  
T and Q are the children of P.  
M is the mother of T.  
How is M related to S?

- A) Daughter
- B) Son
- C) Mother
- D) Sister

180

Select the odd one out.

- A) PSRQ
- B) MNPO
- C) SVUT
- D) KNML

181

BHE : FLI : JPM : ?

- A) OTP
- B) NTQ
- C) NSP
- D) OSP

182

Among five friends A, B, C, D and E,  
who is the tallest?

Statements:

- I) B is taller than A, but smaller than D and E
- II) C is smaller than B

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

183

M is P's brother's son.  
N is the only brother of P.  
How is N related to M?

- A) Nephew
- B) Father
- C) Cousin
- D) Uncle

184

2, 3, 6, 18, 108, ...

- A) 54
- B) 1002
- C) 216
- D) 1944

185

If SAME is coded as VDPH,  
then IDENTICAL is coded as:

- A) KFHPVKEDN
- B) LACITNEDI
- C) LGHQWLFDO
- D) KACITNEDI

186

A trend was observed in the growth  
of population in Saya islands.  
The population tripled every month.  
Initially, the population of Saya  
Islands was 100. What would be  
its population after 4 months?

- A)  $100 * 4^3$
- B)  $100 * 3^4$
- C)  $100 * 3 * 4$
- D)  $(100^3)^4$

187

Sudhir goes to the market once  
every 64 days and Sushil goes to  
the same market once every 72days.  
They met each other one day.  
How many days later will they  
meet each other again?

- A) 16
- B) 64
- C) 240
- D) 576

188



What is the unit digit in  $27^{20}$  ?

- A) 1
- B) 5
- C) 12
- D) 20

189

What will be the cost of fencing a rectangular compound if the wire costs ₹20 per metre?

Given:

1. Area =  $40 \text{ m}^2$

2. Length =  $2 \times \text{Breadth}$

- A) Only 1
- B) Only 2
- C) Either 1 or 2
- D) Both 1 and 2

190

A salesman has the liberty to sell a hair dryer in his store at a price between ₹300 and ₹700. Profit earned by selling the hair dryer for ₹650 is twice the loss incurred when it is sold for ₹350. What is the cost price of the hair dryer?

- A) ₹550
- B) ₹450
- C) ₹350
- D) ₹150

191

If Mini downloads three more songs in her mobile she will have songs worth 512 MB in her mobile. If on an average each song is 4 MB, how many songs did she initially have in her phone before downloading?

- A) 125
- B) 128
- C) 120
- D) 137

192

A content manager is working on an excel sheet. She has 6 columns in the sheet – A, B, C, D, E and F. she has to check that no two columns should have the same entry. She can check only 2 columns at a time. How many times will she have to repeat the comparing process to complete the process for the whole file?

- A) 7
- B) 8
- C) 15
- D) 10

193

Manu had invested 30% of his capital in petro bonds and rest in a life insurance plan. He has invested ₹34,000 more in life insurance plan than in petro bonds. How much is the total investment made by Manu?

- A) ₹25,500
- B) ₹59,500
- C) ₹85,000
- D) ₹95,000

194

Maithli purchased a walkman from her friend. She then sold it for ₹90. Had it been sold for ₹105, the gain would have been  $\frac{1}{4}$  of the former loss. What is the cost of the walkman?

- A) ₹82
- B) ₹102
- C) ₹114
- D) ₹126

195

A long distance train is scheduled to reach its destination in 19 hours. After 10 hours of journey, due to disruption of rail traffic, the train has to be stationed for 1 hour. If the average speed of the train is 100kmph, at what speed should it travel to cover the distance in same amount of time?

- A) 110
- B) 110.5
- C) 112.5
- D) 112

196

In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together?

- A) 120
- B) 720
- C) 4320
- D) 2160
- E) None

197

Nine days ago, the area covered by the mold on a piece of bread was 3 square inches. Today the mold covers 9 square inches. What is the rate of change in mold's area?

- A) 2 square inches per day
- B) 3 square inches per day
- C)  $\frac{2}{5}$  square inches per day
- D)  $\frac{2}{3}$  square inches per day

198

A contractor estimates that 3 people can paint Mr. Khan's house in 4 days. If he uses 4 people instead of 3, how long will they take to complete the job?

- A) 4
- B) 2
- C) 3
- D) 5

199

Select the odd one out.

- A) PSRQ
- B) MNPO
- C) SVUT
- D) KNML

200

$A + B$  means A is greater than B  
 $A - B$  means A is less than B  
 $A = B$  means A is greater than equal to B  
 $A * B$  means A is equal to B  
 $A / B$  means A is not equal to B

**Statements**

$D = E, E + F, F / G$

**Conclusions**

I.  $D + F$

II.  $F * G$

- A) Only conclusion I is true  
 B) Only conclusion II is true  
 C) Neither conclusion I nor II is true  
 D) Both conclusions I and II are true

DXC: 201

10, 14, 23, 39, 64,...

- A) 100  
 B) 125  
 C) 128  
 D) 148

DXC: 202

8, 8, 15, 23, 38,...

- A) 61  
 B) 57  
 C) 62  
 D) 59

DXC: 203

The ascending order of rational numbers  $-7/10, -5/8, -2/3$  is :

- A)  $-7/10, -2/3, -5/8$   
 B)  $-7/10, -5/8, -2/3$   
 C)  $-5/8, -7/10, -2/3$   
 D)  $-2/3, -5/8, -7/10$

DXC: 204

X and y are 2 numbers which when divided by 6 leave a remainder of 4 and 5 respectively. What will be the remainder when  $y + x$  is divided by 6?

- A) 6  
 B) 9  
 C) 1  
 D) None

DXC: 205

Supriya runs a marathon race in 50 min at an average speed of 48 km/hour. In order to set a national record, she needs to win the race in 40 minutes, Considering that her speed remains constant, at what minimum speed should she run to set the record?

- A) 70 km/hr  
 B) 60 km/hr  
 C) 55 km/hr  
 D) 50 km/hr

DXC: 206

What will be at the unit's place of  
 $191 * 191 * 252 - 211 * 566 * 114$  ?

- A) 8
- B) 6
- C) 4
- D) 2

DXC: 207

If  $x$  is a positive number and  
 $y = x^2$ , then which of the  
 given statements is true?

- A)  $y$  is always more than  $x$
- B)  $x$  is always more than  $y$
- C)  $x$  is always equal to  $y$
- D) None of the above

DXC: 208

On an average, a content developer can develop 6 questions in an hour. Resource manager wants to complete the project of 2400 questions in 20 hours. How many developers should he take in his team?

- A) 30
- B) 20
- C) 40
- D) 10

DXC: 209

In a test called ACSAT, the average marks of 15 test takers is 240. If the marks of 5 test takers are subtracted, the average marks decreases by 40. What is the average marks of 5 test takers?

- A) 1600
- B) 320
- C) 200
- D) 40

DXC: 210

Simple interest on an amount at 4% per annum for 13 months is more than the simple interest on the same sum for 8 months at 6% per annum by ₹40. What is the principal amount?

- A) ₹3,600
- B) ₹12,000
- C) ₹4,800
- D) ₹24,000

DXC: 211

What should be the highest value that must be assigned to # so that the number  $10114\#5$  is exactly divisible by 7?

- A) 5
- B) 6
- C) 7
- D) 8
- E) 9

DXC: 212

Pointing to a lady, a man said,  
 "She is the wife of my father's only son".  
 How is the man related to the lady?

- A) Brother
- B) Cousin
- C) Husband
- D) Brother-in-law

DXC: 213

4 people – A, B, C and D are sitting in a row.  
 Who is sitting at the extreme right?

Statements:

- I) C is to the left of D.
- II) B is to the left of A.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient

DXC: 214

I have four friends. What is my age?

Statements:

- I) Average of our ages is 85 years.
- II) All of us are of the same age.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

DXC: 215

AZP : ZAR :: TXK : ?

- A) UWL
- B) SYM
- C) SVN
- D) VWL

DXC: 216

Pointing to a lady, a man said,  
 "she is the daughter of the woman  
 who is the mother of the husband  
 of my mother". How is the lady  
 related to the man?

- A) Grandmother
- B) Sister
- C) Mother
- D) Aunt

DXC: 217

A17R : D12P :: G7N : ?

- A) H2K
- B) J3M
- C) J2L
- D) H3K

DXC: 218

24 : 50 :: 102 : ?

- A) 204
- B) 206
- C) 152
- D) 156

DXC: 219

A written exam consists of 6 questions with the answer options as yes/no/none. In how many ways can the examinees select the answers?

- A)  $6P_3$  ways
- B)  $6C_3$  ways
- C)  $3C_1 \cdot 3C_1 \cdot 3C_1 \cdot 3C_1 \cdot 3C_1 \cdot 3C_1$
- D)  $(3C_1)^6$

DXC: 220

What is the value of the expression

$$\sqrt[3]{(\sqrt{0.000729})} ?$$

- A) 0.03
- B) 0.3
- C) 3
- D) 0.27
- E) 0.027

DXC: 221

What is the sum of two consecutive numbers, the difference of whose squares is 19?

- A) 9
- B) 10
- C) 18
- D) 19

DXC: 222

What is the value of

$$(5^2 * 25^8 / 625)^{2/7} ?$$

- A) 5
- B) 25
- C) 625
- D)  $5^{1/7}$

DXC: 223

A train Rajdhani starts from Suratkal at 5 a.m with the speed of 15 kmph. Another train Shatabdi starts from the same place in the same direction at 7 a.m with a speed of 20 kmph. At what time will both the trains meet each other?

- A) 3.00 pm
- B) 2.00 pm
- C) 12.00 pm
- D) 1.00 pm

DXC: 224

What are the number of ways of selecting 7 files out of 14 distinct files if one is always selected?

- A)  $14C_7$
- B)  $13C_6$
- C) 1
- D)  $14P_7$
- E)  $13P_6$

**DXC: 225**

Which is the largest possible two digit number which divides 32472 ?

- A) 44
- B) 66
- C) 88
- D) 99

**DXC: 226**

Three marketers distribute their products in a colony for pilot testing. Marketer A distributes 150 items to the people equally and then was left with a few items. Marketer B distributes 270 items to the people equally and then was left with the same number of items as the number left with Marketer A. Marketer C distributes 320 items to the people and is left with the same number of items as the number left with Marketer A. What is the maximum possible number of people in the colony?

**DXC: 227** A) 10 B) 50 C) 75 D) 100

A flower seller purchases roses At ₹ 96 a dozen and sells them at ₹10 per flower. What is the profit percent of the flower seller?

- A) 0.4
- B) 0.2
- C) 0.25
- D) 0.15

**DXC: 228**

The manufacturer of a certain item can sell all he can produce at the selling price of ₹60 each. It costs him ₹40 in materials and labour to produce each item and he has overhead expenses of ₹3000 per week in order to operate the plant. The number of units he should produce and sell in order to make a profit of at least ₹1000 per week is:

- A) 200
- B) 250
- C) 300
- D) 400

**DXC: 229**

A child's age is two-thirds the age of his elder brother. After 5 years, he will be four-fifth of the elder brother's age. How old is the child?

- A) 2.5 years
- B) 5 years
- C) 7 years
- D) 7.5 years

**DXC: 230**

Rasheb starts for a wedding venue at 6 p.m and drives at a speed of 60 km/hr. Ramesh starts for the same venue at 6.30 pm and drives at a speed of 75 km/hr. When will both reach the venue, provided they reach at the same time?

- A) 8.00 pm
- B) 9.30 pm
- C) 9.00 pm
- D) 8.30 pm

DXC: 231

Pardeep receives an export order for garments. He has 30 machines to complete the order in 60 days. How many machines would be required to complete the job in 40 days?

- A) 50
- B) 25
- C) 35
- D) 45

DXC: 232

Select the odd one out.

- A) BDF
- B) MQT
- C) HKN
- D) PTX

DXC: 233

Among five friends A, B, C, D and E, who is the tallest?

Statements:

- I) B is taller than A, but smaller than D and E
- II) C is smaller than B

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

DXC: 234

Select the odd one out.

- A) HIKJ
- B) KLN M
- C) STVU
- D) RSTU

DXC: 235

Sangeeta invested ₹20,000 at 8% per annum. If the interest is compounded half yearly, Then total interest earned by Sangeeta at the end of the year is:

- A) ₹1,632
- B) ₹1,600
- C) ₹1,800
- D) ₹1,475

DXC: 236



Mayank is going on a holiday trip. He wants to pack 3 T-shirts out of 5 he has. In how many ways can he make his choice?

- A) 15
- B) 10
- C) 8
- D) 20

DXC: 237

Five paramedics and four technicians are registered for a rescue team. How many possible combinations one can choose to make a rescue team of a paramedic and a technician?

- A) 9
- B) 40
- C) 20
- D) 18

DXC: 238

A woman sold 15 bed sheets for ₹15,000, hence gaining The cost price of 5 bed sheets. The cost per sheet is:

- A) ₹960
- B) ₹775
- C) ₹1,000
- D) ₹800
- E) ₹750

DXC: 239

If  $x$  is an odd number and  $y$  is an even number, then which of the given options is false?

- A)  $x^x(y^y + 1)$  is odd
- B)  $(x + y) + (x^x + x) + y(x^y)$  is odd
- C)  $xy + y^x + 1$  is even
- D)  $xy + 6$  is even

DXC: 240

If STUMP is coded as PQRJM, then PITCH is coded as:

- A) MFQZE
- B) QJUDI
- C) MEQAE
- D) RKVEK

DXC: 241

If DELHI is coded as 34178, what is the code for MUMBAI?

- A) 202801
- B) 202108
- C) 202018
- D) 202081

DXC: 242

If NOBLE is coded as ONBEL  
then GRAND is coded as:

- A) RGADN
- B) HSBOE
- C) HTCOD
- D) RAGDN

DXC: 243

QPS : TSV :: IHK : ?

- A) LKN
- B) NQP
- C) MKN
- D) LOM

DXC: 244

Looking at a man's portrait, Harsh said,  
"His mother is the wife of my father's  
son. Brothers and sisters I have none".  
At whose portrait was Harsh looking?

- A) His son's portrait
- B) His cousin's portrait
- C) His uncle's portrait
- D) His nephew's portrait
- E) None of these

DXC: 245

Pointing to a girl child in a  
photograph a woman said,  
"Her mother's sister is the  
wife of my son". How is the  
woman related to the child?

- A) Mother
- B) Daughter
- C) Sister
- D) None of these

DXC: 246

Select the odd one out.

- A) RKOC
- B) RRIVE
- C) ADNS
- D) LNDA

DXC: 247

A number becomes a perfect  
square when we subtract  
1 from it. Which of the given  
options **CANNOT** be the last  
digit of that number?

- A) 2
- B) 4
- C) 5
- D) 0

DXC: 248

Riya sold her car for ₹50,000 less than what she bought it for and lost 8%. At what price should she have sold the car, if she wanted to gain as much as she lost in the first transaction?

- A) ₹ 6,25,000
- B) ₹ 6,50,000
- C) ₹ 6,75,000
- D) ₹ 6,37,500
- E) ₹ 7,00,000

DXC: 249

A 20% reduction in the unit cost of an article enables one to buy 25 items more for ₹ 1,000. What is the original unit cost of the item?

- A) ₹ 12
- B) ₹ 8
- C) ₹ 10
- D) ₹ 15

DXC: 250

The product of a number and its multiplicative inverse is

- A) -1
- B) 0
- C) 1
- D) None

DXC: 251

What is the area of the top of the table?

Statements:

- I) The top of the table is rectangular in shape
- II) The length of the top of the table is 35 cm

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient
- E) Either of the statement is sufficient

DXC: 252

“%” denotes “greater than”  
 “>” denotes “equal to”  
 “=” denotes “not less than”  
 “@” denotes “not equal to”  
 “#” denotes “less than”  
 “\*” denotes “not greater than”  
 Statements  
 P>S, S@T, P#R  
 Conclusions  
 I. S%R  
 II. P@T

- A) Only conclusion I is true
- B) Only conclusion II is true
- C) Neither conclusion I nor II is true
- D) Both conclusion I and II are true

DXC: 253

Select the odd one out.

- A) DEB
- B) FGD
- C) PQN
- D) TUS

DXC: 254

How much time would a machine take to put caps on 300 bottles?

Statements:

- I) It takes 8 hours to put caps on 300 bottles manually.
- II) It takes 2 minutes lesser to put cap on a bottle using machine than putting it manually.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Either of the statements taken individually is sufficient
- D) Both statements put together are sufficient
- E) Both the statements even put together are not sufficient

DXC: 255

Select the odd one out.

- A) BAD
- B) FEH
- C) POS
- D) TSV

DXC: 256

Select the odd one out.

- A) C5H
- B) E6L
- C) M4Q
- D) T3W

DXC: 257

A child has strayed from his path while coming home from the school. He first goes 3 kms towards south from his school and then moves 5 kms towards east. He again moves 3 kms towards north and then goes 2 kms towards west. How far is his school situated from home?

- A) 3 kms
- B) 1 km
- C) 2 kms
- D) 8 kms

DXC: 258

In a certain code,  
SPECIFY is written as 1916539625.  
How is ABOUT written in that code?

- A) 13162120
- B) 12162120
- C) 12152019
- D) 12152120

DXC: 259

0.28, 0.56, 1.68, .....

- A) 2.24
- B) 3.36
- C) 5.04
- D) 6.72

DXC: 260

What is unit digit of the following sum:

$$1 + 2^2 + 3^3 + 4^4 + 5^5 + 6^6 ?$$

- A) 0
- B) 4
- C) 7
- D) 9

DXC: 261

$-3.4$  is a number on the real number line.

If we subtract 1 from this number then the new number will be:

- A) Farther from the origin than  $-3.4$
- B) Closer to the origin than  $-3.4$
- C) Equally farther from the origin, as  $-3.4$  is
- D) None of the above

DXC: 262

The reciprocal of the HCF and LCM of two numbers are  $1/12$  and  $1/312$  respectively. If one of the numbers is 24, find the other number.

- A) 126
- B) 136
- C) 146
- D) 156

DXC: 263

Number '1' is a :

- A) Prime number
- B) Composite number
- C) Positive integer
- D) Both A and C

DXC: 264

Which number should be multiplied by 43 so that it will have 3 prime factors?

- A) 2
- B) 3
- C) 6
- D) 8

DXC: 265

What is the value of the expression:

$$5*(2 + 16)/2 - 4*(2 + 2) + \frac{1}{4} \text{ of } 16?$$

- A) 26
- B) 13
- C) 34
- D) 33

DXC: 266

In an examination, a candidate is required to answer 5 questions in all, from 2 sections having 5 questions each. What are the total number of ways in which a candidate can select the questions, provided that at least two questions are to be attempted from each section?

- A) 200
- B) 20
- C) 100
- D) 10

DXC: 267

a, b and c are such that b is the simple interest on a and c is the simple interest on b for the same period and same rate of interest. The relation between these three is:

- A)  $a^2 = bc$
- B)  $c^2 = ab$
- C)  $b^2 = ac$
- D)  $a = b = c$

DXC: 268

Every year before the festive season, a shopkeeper increases the price of the products by 35% and then introduces two successive discounts of 10% and 15% respectively. What is his percentage loss or gain?

- A) 3.27% loss
- B) 3.27% gain
- C) No profit, no loss
- D) 8.875% loss
- E) 8.875% gain

DXC: 269

A shopkeeper offers 'Buy 1, Get 1 Free' offer on a t-shirt marked at Rs.2,400. If after a sale, the shopkeeper earns a profit of 33.33%, then what is the actual price of the t-shirt?

- A) Rs.900
- B) Rs.800
- C) Rs.1200
- D) Rs.1000
- E) Rs.1500

DXC: 270

Shobhit bought 300 litres of milk at ₹ 19 litre. He added 200 litres of water to it and sold 400 litres of this milk at ₹ 20 per litre. To the rest, he added 10 litres more water and then sold it for ₹ 15 per litre. If he used mineral water that costs Rs.10 per litre, then the total money earned by Shobhit is:

- A) ₹ 4,000
- B) ₹ 4,150
- C) ₹ 1,800
- D) ₹ 1,850

DXC: 271

A vendor purchases binder clips at 12 for ₹ 60. How many clips should he sell for ₹ 60 to earn a profit of 20%?

- A) 5
- B) 8
- C) 6
- D) 10

DXC: 272

An air conditioner can cool the hall in 40 min while another takes 45 min to cool under similar conditions. If both air conditioners are switched on at same instance, then how long will it take to cool the room?

- A) About 22 min
- B) About 20 min
- C) About 30 min
- D) About 25 min

DXC: 273

Pick the odd man out.

- A) KML
- B) PRQ
- C) NPQ
- D) TVU

DXC: 274

"%" denotes "greater than"  
 ">" denotes "equal to"  
 "≥" denotes "not less than"  
 "@ " denotes "not equal to"  
 "# " denotes "less than"  
 "\*" denotes "not greater than"

Statements

$P=Q$ ,  $S\#R$ ,  $T*Q$

Conclusions

I.  $T*P$

II.  $T\%Q$

- A) Only conclusion I is true
- B) Only conclusion II is true
- C) Neither conclusion I nor II is true
- D) Both conclusion I and II are true

DXC: 275

What is the cost price of a piece of cloth?

Statements:

I) Selling price is given.

II) Loss percent is given.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Either of the statements taken individually is sufficient
- D) Both statements put together are sufficient
- E) Both the statements even put together are not sufficient

DXC: 276

Pick the odd man out.

- A) FHKO
- B) CEHL
- C) ZBEJ
- D) XZCG

DXC: 277

Aakriti is standing on point A facing west. She walks straight for 15 meters and then takes a right turn and walks 8 meters to reach point B. What is the smallest distance between the two points and in which direction of point A does point B lie?

- A) 15 meters, West
- B) 8 meters, North-West
- C) 17 meters, North-West
- D) 17 meters, North-East

DXC: 278

9, 54, 135, 252,...

- A) 400
- B) 405
- C) 380
- D) 420

DXC: 279

The number  $456*85$  is completely divisible by 3. Smallest whole digit number in place of \* can be:

- A) 0
- B) 1
- C) 2
- D) 3

DXC: 280

In a non-leap year, what is the probability that the last day of the year starts with a 'T' ?

- A)  $\frac{4}{7}$
- B) 1
- C) 0
- D)  $\frac{2}{7}$

DXC: 281

Identify the set of all the positive integers.

- A)  $\{0, 1, 2, 3, \dots\}$
- B)  $\{1, 2, 3, 4, \dots\}$
- C)  $\{2, 4, 6, 8, \dots\}$
- D)  $\{2, 5, 7, 11, \dots\}$

DXC: 282

The product of two numbers is 2208. If the LCM of the numbers is 552. What is their HCF?

- A) 12
- B) 4
- C) 24
- D) Data inconsistent

DXC: 283

Atul bought a machine for ₹ 4,50,000 and sold it to Irfan at a profit. Irfan later sold the machine to Danish at a loss of 10% for ₹ 4,95,000. The profit earned by Atul is:

- A) 23%
- B) 21%
- C) 25%
- D) 22.22%

DXC: 284



What is the value of (a,y) in  $(13^{-20} - a \times 13^y) = 168 \times 13^{-22}$  ?

- A) (1, 2)
- B) (0, 1)
- C) (-1, 2)
- D) (-1, 22)
- E) (1, -22)

DXC: 285

One gear of pulley rotates at a speed of 3 revolutions per second; another gear rotates at 5 revolutions per second. If both start together, after how many seconds will they be together again?

- A) 3
- B) 5
- C) 15
- D) 20

DXC: 286

A rectangle's length is four times its breadth. It has an area of 2500 sq. yards. What is the length of the rectangle?

- A) 25 Yards
- B) 100 Yards
- C) 625 Yards
- D) 5 Yards

DXC: 287

Aaron was riding his bike. He rode 50m south and took a left turn to ride another 70 meters. After that he took another left turn and rode 50 meters again and finally he took a right turn to ride 60 meters more. How far and in which direction is he from the starting point?

- A) 120 meters, West
- B) 110 meters, East
- C) 110 meters, West
- D) 130 meters, East

DXC: 288

G3S : J3P :: L4X : ?

- A) P3Y
- B) O3T
- C) P4T
- D) Q4S

DXC: 289

2, 5, 26, ...

- A) 53
- B) 677
- C) 676
- D) 52

DXC: 290

The number of 5-digit odd numbers that can be made from number 12345 are:

- A) 24
- B) 32
- C) 64
- D) 72

DXC: 291

If  $2^{2n-1} = (1/8^{n-3})$  then, the value of n is:

- A) 3
- B) 2
- C) 0
- D) -2

DXC: 292

The principal ₹ A, borrowed at A% per annum simple interest, for A months will amount to:

- A)  $A(1 + A^2/12)$
- B)  $A((1 + A^2)/1200)$
- C)  $(A + A^3)/1200$
- D)  $A(1 + A^2/1200)$

DXC: 293

A quiz has one multiple choice question with answer choices A, B and C and two true/false questions. What is the probability of answering all three questions correctly by guessing?

- A) 1/5
- B) 1/5
- C) 1/3
- D) 1/12

DXC: 294

The population of a town three years ago was 'b' and the population of the town three years from now will be 'c'. What is the current population of the town, if it grows at the same rate?

- A)  $\sqrt{(bc)}$
- B)  $b\sqrt{(c)}$
- C)  $c\sqrt{(b)}$
- D)  $b\sqrt{(c/b)}$
- E)  $\sqrt{(b/c)}$

DXC: 295

A pie has to be divided amongst few kids. Puneet gets  $2/7^{\text{th}}$  portion of the pie and Sheela gets  $5/8^{\text{th}}$  portion of the pie. Who amongst the two gets lesser share?

- A) Puneet
- B) Sheela
- C) Both get equal share
- D) Cannot be determined

DXC: 296

When  $2^{35}$  is divided by 5, the remainder is:

- A) 2
- B) 3
- C) 4
- D) 0

DXC: 297

A man walks 20 km towards South and then 15 km towards east. How far is he from his initial position?

- A) 25 km
- B) 30 km
- C) 40 km
- D) 50 km

DXC: 298

PSQR : SVTU : DGEF : ?

- A) IKHJ
- B) HJKI
- C) HKIJ
- D) IHJK

DXC: 299

POLICY : NPJJAZ :: INSURANCE : ?

- A) GOQVPBLDC
- B) GOQVQBLDC
- C) GOQVRBLDC
- D) GOQVPBLEC

DXC: 300

A book store offers a 10% discount on all the books sold plus an additional discount of 5% on the total bill, if the total bill after the initial discount is more than or equal to Rs.1000. Dilshan bought 3 books worth Rs.450, Rs.520 and Rs.250 respectively. How much money was Dilshan able to save as a result of the various discounts offered by the store?

- A) Rs.102
- B) Rs.176.9
- C) Rs.61
- D) Rs.183
- E) None of the above

DXC: 301

Rahul can finish one-fifth of his homework in one hour. Neha can finish three-seventh of her homework in one hour thirty min. and Riya can finish three fourth of her homework in three hours thirty minutes. If all of them start their homework at 12 p.m. and can go to play as soon as they all finish their homework, when can they start to play, if they take a break at 3.30 p.m. for thirty minutes?

- A) 5.00 p.m
- B) 5.30 p.m
- C) 4.40 p.m
- D) 6.30 p.m
- E) 3.30 p.m

DXC: 302

What is the highest power of 5 contained in 200! ?

- A) 40
- B) 49
- C) 50
- D) 57

DXC: 303

The LCM and HCF of two numbers are 2970 and 30 respectively. Prime factors of the product of two numbers are:

- A) 2, 3, 5, 11
- B) 2, 3, 7, 11
- C) 2, 4, 5, 11
- D) 2, 3, 7, 13

DXC: 304

Find the largest two digit number that divides 673 and 865, leaving remainder 1 in each.

- A) 91
- B) 93
- C) 96
- D) 98

DXC: 305

Ram is five years elder to his youngest sibling Shreya. Shreya is two years younger than her brother Ritesh. Ritesh is 13 years old and is Ram's brother. How old will Ram be in two years from now?

- A) 16
- B) 17
- C) 20
- D) 15
- E) 18

DXC: 306

How many litres of a 90% solution of concentrated acid needs to be mixed with a 75% solution of concentrated acid to get a 30 L solution of 78% concentrated acid?

- A) 24 L
- B) 22.5 L
- C) 6 L
- D) 17.5 L

DXC: 307

In how many ways can you arrange the dinning table with 3 sweets and 4 fruit bowls in a line, if all the sweets should be at even places?

- A)  $7C_3 \cdot 3! \cdot 4C_4 \cdot 4!$
- B)  $7P_7$
- C)  $3! \cdot 4!$
- D)  $3P_3 \cdot 4P_4 \cdot 7!$

DXC: 308

Find the number to be multiplied by  $(-6)^{-1}$ , so as to get  $(-8)^{-1}$  as the product?

- A)  $3/4$
- B)  $-(3/4)$
- C)  $4/3$
- D)  $-(4/3)$

**DXC: 309**

In an interview conducted for 5 ABC consulting candidates, 6 Global Ltd. Candidates, 2 candidates from Avilvar company, 3 from Sona Ltd and 1 from Bent company, what is the probability that the candidate who would be selected is from Sona Ltd. It is given that one candidate from Global Ltd. Had not come for the interview round and one candidate from ABC Consulting got blacklisted during the interview process.

- A)  $3/17$
- B)  $17_{C_1} \cdot (\frac{3}{17})$
- C)  $3/15$
- D)  $15_{C_1} \cdot (3/15)$

**DXC: 310**

Supremo Coal Limited mined  $8\frac{1}{3}$  tons of coal on Tuesday,  $5\frac{3}{4}$  tons of coal on Monday and  $9\frac{1}{2}$  tons of coal on Wednesday. If the goal is to mine 30 tons of coal this week then how many more tons of coal need to be mined?

- A) 23.59 tons
- B) 7.56 tons
- C) 6.89 tons
- D) 6.41 tons

**DXC: 311**

A train travelling at 250 kmph overtakes a cyclist who is travelling at 10 kmph in 45 seconds. What is the length of the train in metres?

- A) 3,000 m
- B) 5,400 m
- C) 6,000 m
- D) 10,800 m

**DXC: 312**

The tremors of the earthquake were Felt at intervals of 15 seconds. The first tremor was felt at 08:54:57 am and the last tremor was felt at 10:45:12 am. How many times were the tremors felt?

- A) 484
- B) 485
- C) 441
- D) 525

**DXC: 313**

The product of 2 co- primes is 253. What is the LCM of these numbers?

- A) 1
- B) 253
- C) Equal to HCF
- D) Cannot be calculated

**DXC: 314**

In a certain language  
**RIPPLE** is written as **785514**.  
 What is the code of **PILLER**  
 in that language?

- A) 561147
- B) 561174
- C) 581174
- D) 581147

**DXC: 315**

How many daughters does A have?

Statements:

- I) A's wife has four sons: P, Q, R and S.
- II) S has one sister.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Either of the statements taken individually is sufficient
- D) Both statements put together are sufficient
- E) Both the statements even put together are not sufficient

**DXC: 316**

A puppy was trying to find its mother. It was facing East and walked 10. It turned South then and walked another 10 m. Then it started walking towards North it walked 20 m and turned West. After that, it walked 10 m and moved 2 m South. In which direction and how far is it from the original position?

- A) 60 m North-East
- B) 10 m North-East
- C) 8 m North
- D) 25 m North

**DXC: 317**

A girl is facing towards West.  
 She turns  $45^\circ$  in the clockwise direction and then  $135^\circ$  in the anticlockwise direction. Which direction is she facing now?

- A) South-West
- B) North-West
- C) South
- D) West

**DXC: 318**

Pointing to a boy in a photograph, a girl said, "He is the son of the daughter-in-law of my mother's mother". How is the girl related to the boy?

- A) Son
- B) Brother
- C) Nephew
- D) Cousin

**DXC: 319**

A tourist drives 10 km towards East and turns right and drives for another 3 km. He then drives another 3 km towards West (turning to his right). He then turns to his left and walks another 2 km. Afterwards, he turns to his right and travels 7 km. How far and in which direction will he be from his starting point?

- A) 10 km East
- B) 9 km North
- C) 8 Km West
- D) 5 km South

**DXC: 320**

A bag contains orange flavored candies only. Malini takes out one candy without looking into the bag. What is the probability that she takes out an orange flavored candy?

- A) 0
- B)  $\frac{1}{2}$
- C)  $\frac{1}{3}$
- D) 1

DXC: 321

If the difference of two numbers is 8 and the difference of their squares is 160, then the numbers are:

- A) 18, 10
- B) 8, 16
- C) 6, 14
- D) None of the above

DXC: 322

When the price of a pair of shoes is decreased by 10%, the number of pairs sold increased by 20%. What is the net effect on sales?

- A) 8% decrease
- B) 10% decrease
- C) 10% increase
- D) 8% increase

DXC: 323

$$3 \times (4^4 + 4^3 + 4^2 + 4 + 1) = ?$$

- A) 1019
- B) 1029
- C) 1026
- D) 1023

DXC: 324

What number should be divided by  $(0.81)^{1/2}$  to give the result as 81?

- A) 9
- B) 81
- C) 72.9
- D) 0.9

DXC: 325

Micro-Sims Pvt. Ltd. Produces 1,200 phones everyday. If out of these,  $2\frac{1}{3}\%$  are faulty and  $4\frac{1}{3}\%$  are defective in packaging, then how many non-faulty and non-defective packaged phones are produced everyday?

- A) 80
- B) 120
- C) 1080
- D) 1120

DXC: 326

Malini solved the following question  
In her Mathematics examination:  
 $(6/4 + 5\frac{1}{6} \text{ of } 3/7) / (5 + 2\frac{1}{3})$  and  
Her answer was  $38/77$ .  
By how much was her answer wrong?

- A) 1
- B)  $1/77$
- C) 2
- D)  $2/77$
- E)  $39/77$

DXC: 327

Steward assigns  $1/8^{\text{th}}$  of his monthly salary for food. Steward's total food bill for the month is ₹ 6,500. What is Steward's yearly salary?

- A) ₹ 9,750
- B) ₹ 12,174
- C) ₹ 5,76,000
- D) ₹ 6,24,000

DXC: 328

The causes of productivity loss are to be written around a circle in the annual report. In how many ways can an analyst write them around the circle, if the number of causes are 5?

- A)  $5!$
- B)  $5C_5$
- C)  $5P_5$
- D)  $4!$
- E)  $4C_4$

DXC: 329

Sum of the digits of a 3 digit number is subtracted from the number.  
The resulting number is divisible by \_.

- A) 6
- B) 9
- C) Both 6 and 9
- D) All 3, 6 and 9

DXC: 330

Which of the given numbers  
Is exactly divisible by 11?

- A) 235641
- B) 245642
- C) 315624
- D) 415624

DXC: 331

A is the only son of P.  
P is B's mother's mother-in-law.  
How is A related to B?

- A) Father
- B) Brother
- C) Uncle
- D) Sister
- E) Husband

DXC: 332



9, 3, 18, 6, 36, 12, ...

- A) 24
- B) 48
- C) 60
- D) 72

DXC: 333

DEF : EDF :: GHI :

- A) HGI
- B) HIG
- C) IHG
- D) IGH

DXC: 334

Q is the wife of R.  
M is the mother of R and S.  
How is M related to Q?

- A) Father
- B) Mother-in-law
- C) Uncle
- D) Father-in-law

DXC: 335

PROGRAM : QTRKWGT :: APPLIANCE :

- A) BRSPNGUKO
- B) BRSQNGUKN
- C) BRSQNGUKO
- D) BRSPNGUKN

DXC: 336

201, 202, 204, 207, ....

- A) 211
- B) 209
- C) 207
- D) 205

DXC: 337

If COMPUTER is coded as GKQLYPIN,  
what is the code for SENATE?

- A) WAREXA
- B) WAERXA
- C) WARWXA
- D) WAERAX

DXC: 338

What is the least number by which 16,800 must be divided to get a number which is a perfect square?

- A) 42
- B) 24
- C) 21
- D) 40

DXC: 339

What is the least number which should be added to 1330 to make it a perfect square?

- A) 56
- B) 1
- C) 41
- D) 30
- E) 39

DXC: 340

A tourist has strayed from his path while on his way to his hotel. He moves 28 km towards south, then moves 20 km towards west, then 4 km towards north and then 2 km towards east to reach his hotel. What is the distance of the shortest possible route?

- A) 45 km
- B) 20 km
- C) 18 km
- D) 30 km

DXC: 341

If CABLE is coded as 64592, then LABLE is coded as:

- A) 91295
- B) 29546
- C) 94592
- D) 29456

DXC: 342

If JUDGE is coded as UJDEG, then ORDER is coded as:

- A) RODRE
- B) REDRO
- C) RODER
- D) REDOR

DXC: 343

Select the odd man out.

- A) FU
- B) DW
- C) CX
- D) NR

DXC: 344

Simplify  $(144^{-3/2})^{-1/6}$

- A)  $2\sqrt{3}$
- B) 6
- C)  $3\sqrt{2}$
- D) 4

DXC: 345

In a mall, 20% area is occupied by eateries, 60% area is open. In the remaining area of 1600 sq meter, there are different showrooms. What is the total area occupied by the mall?

- A) 10,000 sq m
- B) 5,000 sq m
- C) 8,000 sq m
- D) 4,800 sq m

DXC: 346

The number of 5-digit odd numbers that can be made from number 12345 are:

- A) 24
- B) 32
- C) 64
- D) 72

DXC: 347

How many 4 digit numbers Can be made using 1, 2, 3, 4, 5, 6 and 7 with none of the digits being repeated?

- A) 7!
- B) 840
- C) 4!
- D) 42

DXC: 348

A store has a banner of 25% off on MRP of all branded items. Sheetal goes into the store and buys a belt worth Rs.75, a shirt of Rs.1,999 And a shawl of Rs.2,900. How much amount will she have to pay?

- A) Rs.1243.50
- B) Rs.1240
- C) Rs.3,700
- D) Rs.3,730.50

DXC: 349

A company decides a new identity code for all its employees. The identity code would comprise of five letter initials that can be formed using the alphabets of English language such that the fifth letter is always a consonant. How many such combinations are possible?

- A)  $26^3 * 21^2$
- B)  $21^4 * 26$
- C)  $21^3 * 26^2$
- D)  $26^4 * 21$

DXC: 350

DEF : EDF :: GHI :

- A) HGI
- B) HIG
- C) IHG
- D) IGH

DXC: 351

B is the only daughter-in-law of A.

M is the only grandson of A.

P is M's father. How is P related to B?

- A) Husband
- B) Son-in-law
- C) Son
- D) Wife

DXC: 352

What is the least number by which 16,800 must be divided to get a number which is a perfect square?

- A) 42
- B) 24
- C) 21
- D) 40

DXC: 355

A store has a banner of 25% off on MRP of all branded items. Sheetal goes into the store and buys a belt worth Rs.75, a shirt of Rs.1,999 and a shawl of Rs.2,900. How much amount will she have to pay?

- A) Rs.1243.50
- B) Rs.1240
- C) Rs.3,700
- D) Rs.3,730.50

DXC: 356

A lawn is in a form of an isosceles triangle. The cost of turfing became ₹1200 at ₹4/m<sup>2</sup>. If the base of the lawn is 40meters long. Then the length of each side is

- a) 25m
- b) 40m
- c) 50m
- d) 35m

DXC: 357

In a certain code, JOHN is written as LSNV. How is MARK written that code?

- A) OYES
- B) OEXS
- C) OEXT
- D) OEYT

DXC: 358

a man goes to the park and sees a girl who he recognized to be his relative. The girl was the daughter of his sister's husband's wife. How is the girl related to the man?

- A) Niece
- B) Sister-in law
- C) Sister
- D) Aunt

DXC: 359

A problem on mathematics is given to three students whose chances of solving it are  $\frac{1}{2}$ ,  $\frac{1}{3}$  and  $\frac{1}{4}$  respectively. What is the chance that the problem will be solved?

- A)  $\frac{2}{3}$
- B)  $\frac{3}{4}$
- C)  $\frac{1}{3}$
- D)  $\frac{1}{2}$

DXC: 360

A can finish a job in 15 days and B can do the same work in 18 days. A worked for 10 days and left the job. In how many days B alone can finish the remaining work?

- A) 5 days
- B) 6 days
- C) 5.5 days
- D) 8 days

DXC: 361

In a class of 65 students each student got sweets that are 20% of the total number of students. How many sweets are there?

- A) 635
- B) 845
- C) 955
- D) 1300

DXC: 362

The simple interest on a certain sum for 3 years at 4% per annum is ₹48. The principal is:

- A) ₹550
- B) ₹500
- C) ₹450
- D) ₹400

DXC: 363

At a party, there are 43 persons in all. The number of women is two more than men but the number of children is 4 less than men. How many women are there in the party?

- A) 17
- B) 13
- C) 11
- D) 25

DXC: 364

What is the value of  $A + B + C$ ?

Statements:

- I)  $A + B$  is twice the value of  $C$  and  $C$  is a positive square root of 49.  
 II)  $A, B$  and  $C$  are equal and their sum is a multiple of 5.

- A) Statement I alone is sufficient  
 B) Statement II alone is sufficient  
 C) Either of the statements taken individually is sufficient  
 D) Both statements put together are sufficient  
 E) Both the statements even put together are not sufficient

DXC: 365

Write  $\sqrt{1008}$  as a mixed surd.

- A)  $12\sqrt{7}$   
 B)  $7\sqrt{14}$   
 C)  $7\sqrt{12}$   
 D)  $7\sqrt{13}$

DXC: 366

$$\left(17^3 * 17^{\frac{5}{2}} * (17^3)^{\frac{3}{2}}\right) * \left(17^{10/7} * (17^5)^{\frac{3}{35}} * (17^6)^{\frac{1}{7}}\right)^{-1} =$$

- A)  $17^{51/7}$   
 B)  $17^{43/7}$   
 C) 175  
 D) 1712  
 E) 1

DXC: 367

Find the cube of  $(21)^2/7$

- A)  $7^3 \times 3^5$   
 B)  $7^3 \times 3^6$   
 C)  $7^3 \times 9^2$   
 D)  $7^2 \times 9^3$

DXC: 368

In how many ways can the team members be arranged for the team picture if all the males are always together and if the team comprises of 7 males and 6 females?

- A) 13!  
 B) 7! 7!  
 C) 7! 6!  
 D) 14!

DXC: 369

Kaushik buys an article with 25% discount on its marked price. He makes a profit of 10% by selling it at ₹660. The marked price is :

- A) ₹600  
 B) ₹685  
 C) ₹700  
 D) ₹800

DXC: 370

In how many ways can 7 members of the content team, 5 members of the R&D team, 3 members of HR and 2 members of the sales team be allotted workstations in a row so that all employees of the same team sit together?

- A)  $12! \cdot 5!$
- B)  $7 \cdot 5 \cdot 3 \cdot 2$
- C)  $7! \cdot 5! \cdot 3! \cdot 2!$
- D)  $7! \cdot 5! \cdot 4! \cdot 3! \cdot 2!$
- E)  $17!$

DXC: 371

Deepak sells 50 shirts at the cost price of 60 shirts. His gain percent is:

- A) 0.15
- B) 0.1
- C) 0.25
- D) 0.2

DXC: 372

AZP : ZAR :: TXK : ?

- A) UWL
- B) SYM
- C) SVN
- D) VWL

DXC: 373

Sumit is facing North. He walks 10 mt. North and takes a left turn and walks another 40 meters. He then takes a right turn and walks 20 meters more. How far and in which direction is Sumit standing from the point where he had started?

- A) 50 meters, North-East
- B) 70 meters, North-West
- C) 50 meters, South-West
- D) 50 meters, North-West

DXC: 374

What is the monthly salary of my father?

Statements:

- I) My father's and mother's salaries are in the ratio 5:2 respectively.
- II) My mother's salary is 40% of that of my father's salary.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient

DXC: 375

What is the difference between the LCM and HCF of the numbers 20, 30 and 40?

- A) 100
- B) 110
- C) 120
- D) 130

DXC: 376

Both Shruti and Pooja randomly choose a colour from red, orange and yellow. What is the probability that both choose orange?

- A)  $(1/3)$
- B)  $(1/6)$
- C)  $(1/9)$
- D)  $(2/3)$

DXC: 377

A number X when divided by 13 leaves the remainder 12, what is the remainder when we divide  $X^{13}$  by 13?

- A) 12
- B) 0
- C) 1
- D) 10
- E) 4

DXC: 378

Population of a village is eight thousand. If 6% men and 10% women are added, population becomes 8600, then the number of men in the village was:

- A) 4800
- B) 5000
- C) 5060
- D) 6000

DXC: 379

In a mixture of milk and water the proportion of milk by weight was 70%. If in a 250gm mixture 100 gm water was added. What would be the percentage of water?

- A) 50%
- B) 40%
- C) 60%
- D) 70%

DXC: 380

If the perimeter of a rectangular plot is 70m and its area is 306 sq.m. What is the length of shorter side?

- A) 18 m
- B) 15 m
- C) 17 m
- D) 13 m

DXC: 381

Natural numbers from 1 to 110 are written. What is the probability that number chosen at random will be a prime number?

- A)  $27/110$
- B)  $25/110$
- C)  $31/110$
- D) None

DXC: 382



Natural numbers from 1 to 110 are written.  
What is the probability that number chosen at random will be a prime number?

- A) 27/110
- B) 25/110
- C) 31/110
- D) None

DXC: 382

2, 3, 5, 7, 11, 13, 17,  
19, 23, 29, 31, 37, 41,  
43, 47, 53, 59, 61, 67,  
71, 73, 79, 83, 89, 97,  
101, 103, 107, 109

A shopkeeper marks an article at a price which gives a profit of 25%. After allowing certain discount, the profit reduces to 12 ½%. The discount percent is...

- A. 12%
- B. 12.5%
- C. 10%
- D. 20%

DXC: 383

A man can complete ¾ of a work in 24 days. At this rate, how much more time is required to complete the work?

- A. 40 days
- B. 15 days
- C. 64 days
- D. None of these

DXC: 384

By walking 5/3<sup>rd</sup> of usual speed, a student reaches school 40mins earlier.  
His usual time is ...

- A) 1hr 50min
- B) 1 hr 40 min
- C) 2hr
- D) 45min

DXC: 385

A train 130 metres long is running with a speed of 70 kmph. In what time will it pass a man who is running at 8 kmph in the direction opposite to that in which the train is going?

- A. 10 sec
- B. 8 sec
- C. 6 sec
- D. None

DXC: 386

$$\left(1 + \frac{1}{x+1}\right) \left(1 + \frac{1}{x+2}\right) \left(1 + \frac{1}{x+3}\right) \left(1 + \frac{1}{x+4}\right) = ?$$

- a)  $1 + \frac{1}{x+5}$
- b)  $\frac{1}{x+5}$
- c)  $\frac{x+1}{x+5}$
- d)  $\frac{x+5}{x+1}$

DXC: 387

2, 3, 5, 7, 11, ?, 17

- A) 12
- B) 13
- C) 14
- D) 15

DXC: 388

What is the probability that alphabet chosen from the word *RANDOM* is a vowel?

- A)  $1/2$
- B)  $3/5$
- C)  $1/3$
- D)  $2/3$

DXC: 389

Price of a book increases 15% successively (2times) what is the new price of the book more compared to that of the old price:

- A) 32.25%
- B) 23.34%
- C) 36%
- D) 39%

DXC: 390

One person has 2 children. At least one of them was a girl. Then the Probability that 2 of the are girl is \_\_\_\_\_

- A)  $1/2$
- B)  $1/4$
- C) 0.36
- D) 1

DXC: 391

Swati when get married to Jayanta her age was  $3/4^{\text{th}}$  of her husband's age. After 12 years her age became  $5/6^{\text{th}}$  of her husband's age. Then what's the age of Swati when she got married?

- 15 yrs
- 17 yrs
- 18 yrs
- none

DXC: 392

P is 60 m South-East of Q.  
R is 60 m North-East of Q.  
Then R is in which direction of P ?

- A) North
- B) North-East
- C) South
- D) South-East

DXC: 393

The smallest among the numbers  $2^{250}$ ,  $3^{150}$ ,  $5^{100}$  and  $4^{200}$  is...

- A.  $4^{200}$
- B.  $5^{100}$
- C.  $3^{150}$
- D.  $2^{250}$

$$\begin{aligned} 2^{250} &\rightarrow (2^5)^{50} \rightarrow (32)^{50} \\ \Rightarrow 3^{150} &\rightarrow (3^3)^{50} \rightarrow (27)^{50} \\ \Rightarrow 5^{100} &\rightarrow (5^2)^{50} \rightarrow (25)^{50} \\ \Rightarrow 4^{200} &\rightarrow (4^4)^{50} \rightarrow (256)^{50} \end{aligned}$$

DXC: 394

If the numerator of fraction is increased by 400% and denominator is increased by 500%, the resultant fraction is  $\frac{15}{22}$ . What is the fraction?

- A)  $9/11$
- B)  $5/7$
- C)  $7/11$
- D)  $11/13$

DXC: 395

Traders A and B buy two goods for Rs.1000 and Rs.2000 respectively. Trader A marks his goods up by  $x\%$ , while trader B marks his goods up by  $2x\%$  and offers a discount of  $x\%$ . If both make the same non-zero profit, find  $x$ ?

- A) 25%
- B) 12.5%
- C) 37.5%
- D) 40%

DXC: 396

Find out the length of the bridge, which a train 180 meters long and travelling at 27km/hr can cross in 40 seconds.

- A) 120 m
- B) 130 m
- C) 150 m
- D) None

DXC: 397

The difference between the compound interest and the simple interest on a certain sum at 12% p.a. for two years is Rs.90. What will be the value of the amount at the end of 3 years?

- A) ₹ 900
- B) ₹ 6250
- C) ₹ 8780.80
- D) ₹ 8530.80

DXC: 398

A man was walking in the evening just before the sun set. His wife said that, his shadow fell on his right. If the wife was walking in the opposite direction of the man, then which direction the wife was facing ?

- A) North
- B) West
- C) South
- D) East

DXC: 399

Who is the tallest among A, B, C and D ?

Statements:

I. A is taller than C.

II. B is taller than C and D.

- A) Statement I alone is sufficient
- B) Statement II alone is sufficient
- C) Both statements put together are sufficient
- D) Both the statements even put together are not sufficient

DXC: 400