2026 LTIMindtree TEST-4

Test Summary

* No. of Sections: 3
* No. of Questions: 47
* Total Duration: 90 min

Section 1 - VERBAL

Section Summary

* No. of Questions: 20
* Duration: 20 min

Additional Instructions:

None

Q1.

Jessica \_\_\_\_\_\_\_\_\_\_\_\_\_ lunch for all her friends.

Select the most appropriate word from the choices below to complete the above-given sentence.

1. Bought

2. Paid for

3. Cooking

Only 1

Only 2

Only 3

Both 1 and 2

1, 2 and 3

Q2.

The chairperson or the CEO \_\_\_\_\_\_ the proposal before proceeding.

Complete the sentence given above with the most appropriate choice.

agreed for

approve

approves

None of these

Q3.

Which of these is an appropriate rephrase for the part of the sentence marked in bold?

Technically, "quicksand” is the term for sand **that is so saturated with water as to acquire a liquid's character.**

that is so saturated with water as to acquire a liquid's character

that is so saturated with water that it acquires the character of a liquid

that is saturated with water enough to acquire liquid characteristics

saturated enough with water so as to acquire the character of a liquid

Q4.

Select the most appropriate word to complete the following sentence.

He came from an \_\_\_\_\_\_\_\_\_\_\_ family.

Affluent

Effluent

Rich

None of these

Q5.

Complete the below-given sentence with the most appropriate word.

I \_\_\_\_\_\_\_\_\_\_\_\_ go pick up my letter from the post office.

Has

Will

Have

Had

Q6.

Which of these words cannot be used to describe winds?

Icy

Biting

Bleak

None of these

Q7.

They \_\_\_\_\_\_\_\_ two dogs.

Complete the sentence given above with the most appropriate word.

have

has

will

is

Q8.

Which of the following can be used in place of the words in bold?

Mauritius was a British colony for almost 200 years, **excepting for** the domains of administration and teaching.

except in

but except in

but expecting for

with the exception of

Q9.

Select the word with the appropriate spelling.

Desperate

Desparate

Desparete

None of the listed options

Q10.

He \_\_\_\_\_\_ a slender nose, a narrow mouth, and tight blond curls.

Complete the above sentence given with the most appropriate word.

have

has

get

show

Q11.

A \_\_\_\_\_\_\_\_\_\_ is worth 1000 words.

Picture

Poem

Song

List

Q12.

Which of the following rephrases can be used instead of the given sentence?

"All of George and Ava's sons have brown eyes and all of their daughter have blue eyes”

All of George and Ava's sons have brown eyes, and all of their daughter have blue eyes.

All of George and Ava's sons have brown eyes, and all of their daughters have blue eyes.

All of George and Ava's sons have brown eyes and all of their daughters have blue eyes.

None of these

Q13.

Complete the below-given sentence with the most appropriate word.

In a shocking upset, France was \_\_\_\_\_\_\_\_\_\_\_ by Switzerland in the UEFA Euro 2020.

Eliminate

Eliminated

Elimination

Eliminates

Q14.

I \_\_\_\_\_\_\_\_\_\_\_\_ in creating a new SEO strategy for the company.

Select the most appropriate word from the choices below to complete the above given sentence.

1. Helped

2. Wanted

Only 1

Only 2

Both 1 and 2

None of these

Q15.

Which of the following can be considered as valid definition(s) for the word 'grant'?

1. agree to give or allow (something requested) to.

2. agree or admit to (someone) that (something) is true.

3. a sum of money given by a government or other organization for a particular purpose.

Only 1

Only 3

Only 1 and 2

All 1, 2 and 3

Q16.

Which of these sentences is grammatically correct?

That he would succeed, in his endeavours nobody ever doubted.

That he would succeed, in his endeavours, nobody ever doubted.

That he would succeed in his endeavours nobody ever doubted.

None of these

Q17.

We will wait for hours in the line.

Which of the following words can be removed from the sentence to make it grammatically correct?

will

for

the

None of these

Q18.

You shouldn’t \_\_\_\_\_\_\_\_ about such topics in public.

Select the most appropriate word from the choices below to complete the above-given sentence.

1. Laugh

2. Joke

3. Talk

Only 1

Only 2

Only 3

Both 1 and 2

1, 2 and 3

Q19.

Everyone agreed that Jake was a **riot.**

What does the highlighted word in the given sentence mean?

Chaotic

extremely funny

unorganized

messy

Q20.

What is an appropriate definition for the phrase, “give someone the benefit of the doubt”?

1. Trust what someone says.

2. Doubt what someone says.

Only 1

Only 2

Both 1 and 2

None of these

Section 2 - Q&R

Section Summary

* No. of Questions: 15
* Duration: 20 min

Additional Instructions:

None

Q1.

A book on a shelf is in 5th position from the left and 25th position from the right.

How many books are present on that shelf?

29

30

31

32

Q2.

A toy train is running on a conveyor belt in the direction of the conveyor. The speed of the conveyor and train are 10 cm/s and 20 cm/s respectively. The train crosses point A in 5 seconds. What is the time taken by train to cross a small platform of length 2.1 m?

12 sec

15 sec

20 sec

35 sec

Q3.

Six friends Adrienne, Bill, Camille, Dennis, Emily and Fedrick are sitting in the same row facing North, however, not in the same order.

1. Fedrick is sitting exactly between Adrienne and Dennis

2. Emily is sitting at the extreme right

3. Adrienne is sitting three places to the left of Camille

4. Bill is sitting exactly to the right of Camille

What is the correct sequence from left to right in which all the six friends are sitting?

Adrienne, Fedrick, Dennis, Camille, Bill, Emily

Dennis, Fedrick, Adrienne, Camille, Bill, Emily

Adrienne, Fedrick, Camille, Bill, Dennis, Emily

Emily, Bill, Camille, Dennis, Fedrick, Adrienne

Q4.

A function F(N) is defined as F(N)=N\*N+N+1

The movement of a toy car is based on the function F(N) which is given below:

1. The toy car moves in the North direction when F(N) is between or equal to 3 and 6

2. The toy car moves in the South direction when F(N) is between or equal to 6 and 15

3. The toy car moves in the East direction when F(N) is between or equal to 1 and 2

4. The toy car moves in the West direction when F(N) is between or equal to 31 and 50

5. At all other values except the ones defined above the toy car doesn’t move.

If N=3, then in which direction is the toy car moving?

North

South

East

West

Not Moving

Q5.

From a group of n objects are taken at a time in which k particular objects are always included in each arrangement. In how many ways can this be done?

nP(r-k)

nCr-k

(n-k)C (r-k) x r!

(n-r)C(r-k)

None of these

Q6.

Three actors A, B and C are nominated for a best actor award. It is given that A, B and C receive 1500, 3000 and 6000 votes, respectively.

What is the percentage of the total votes that B received?

Choose the closest integer for the answer.

28%

35%

45%

22%

Q7.

John and Joshua can complete a task in 10 and 20 days respectively. Both of them start to work together but after 3 days Joshua went somewhere and John had to work alone for 4 days. Joshua resumes work on the 8th day and as a punishment, he has to complete the remaining work alone.

In how many days will he complete the remaining work?

9 days

6 days

3 days

2 days

Q8.

A florist has to make bouquets using red roses and yellow roses, and the ratio of the number of red roses to the number of yellow roses is to be the same in each bouquet.

If there are 15 red roses and 85 yellow roses available for the bouquets, what is the maximum number of bouquets that can be made using all the roses available?

3

5

8

10

13

Q9.

A and B are 50 and 70 years old respectively. How many years ago was the ratio of their ages 2:3?

40 years

80 years

10 years

45 years

Q10.

A sequence of numbers p1, p2, p3, ...... is defined as follows: p1 = 3, p2 = 5, and every term in the sequence after p2 is the product of all the terms in the sequence preceding it:

p3 = (p1)(p2) and p4 = (p1)(p2)(p3)

If pn = S and n>2, what is the value of pn+2 in terms of S?

S^4

S^3

S^2

S^8

Q11.

You have a wall clock that is indicating the time as 7 : 20. What can be said about the angle formed between the hour hand and the minute hand in the given scenario?

Angle formed is 115 degrees

Angle formed is 140.5 degrees

Angle formed is 100 degrees

Angle formed is 113.5 degrees

Q12.

You met person A who lies on Monday, Tuesday and Wednesday and tells the truth on the other days of the week.

He made the following two statements

1. I did not lie today

2. There are two days before I can lie again

Assuming both the statements above are true. What day of the week was it?

Thursday

Friday

Saturday

Sunday

Q13.

The below message decodes to “Royal”

18, 15, 25, 1, 12

What does the message 28, 25, 18, 1, 14, 20 decode to?

Tyrant

Puzzle

Abbeys

Byrant

Q14.

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?

632500

627000

617500

642000

Q15.

What can be used in place of # to complete the below sequence?

ILP, JMQ, #, LOS

KLM

KNR

MOP

NQR

Section 3 - TECHNICAL

Section Summary

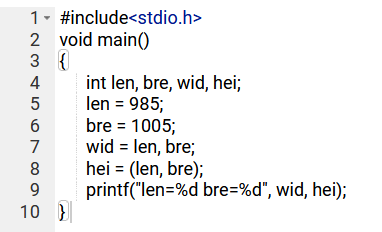
* No. of Questions: 12
* Duration: 50 min

Additional Instructions:

None

Q1.

What will be the output of the below program?



wid=985 hei=1005

wid=985,1005 hei=(985,1005)

len=985 bre=1005

len=985,1005 bre=(985,1005)

Q2.

Size of int in Java is

16 bits

32 bits

64 bits

depends on execution environment

Q3.

What is the output of a C program with arrays and pointers?

A screenshot of a computer code

AI-generated content may be incorrect.

10 10 10

10 20 20

10 20 30

randomvalue randomvalue randomvalue

Q4.

What will be the output of the following program?

A screenshot of a computer code

AI-generated content may be incorrect.

2 2

3 3

Compile Time Error

Run Time Error

Q5.

What is the result of running this code?

A screenshot of a computer

AI-generated content may be incorrect.

4

5

The code does not compile.

The code compiles but throws an exception at runtime.

Q6.

What will be the output of the following pseudocode for a=1, b=5?

A white background with black text

AI-generated content may be incorrect.

Note:- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bits of its second operand.

If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

19

0

14

6

Q7.

What will be the output of the following Python code?

A close up of a number

AI-generated content may be incorrect.

111,222,333,4

1,112,223,334

1112223334,

Error

Q8.

What will be the output of the following C++ code?

A screenshot of a computer program

AI-generated content may be incorrect.

19845

20000

15000

19844

Q9.

Write a program to find the largest palindrome in an array.

Input Format

The first input is the size of the array.

The second input is the array of elements.

Output Format

The output displays the largest palindrome.

Sample Input

4

5 131 54545 1111118

Sample Output

54545

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q10.

Which method is used to create a directory with file attributes?

Path.create()

Path.createDirectory()

Files.createDirectory(path, fileAttributes)

Files.create(fileAttributes)

Q11.

Predict the output for the following C code:

A screenshot of a computer code

AI-generated content may be incorrect.

Compilation Error

Runtime

Neostark is printed one time

Neostark is printed infinite times

Q12.

**Maximum length prefix of one string that occurs as a subsequence in another:**

Given two strings, s and t, the task is to find the maximum length of some prefix of the string S that occurs in string t as a subsequence.

**Examples:**

**Input:**

s = "digger"

t = "biggerdiagram"

**Output:** 3

digger

biggerdiagram

**Explanation:** Prefix "dig" of s is longest subsequence in t.

**Input:**

s = "iamneo"

t = "abicdameon"

**Output:** 4

Input Format

The first line input consists of a string, representing s.

The second line of string consists of a string representing t.

Output Format

Display the maximum length of subsequence found in t.

Sample Input

digger

biggerdiagram

Sample Output

3

Sample Input

iamneo

abcidfaiimon

Sample Output

4

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Answer Key & Solution

Section 1 - VERBAL

Q1

Both 1 and 2

Solution

Jessica Bought lunch for all her friends - Correct

Jessica Paid for lunch for all her friends - Correct

Jessica Cooking lunch for all her friends - Helping verb is missing

Hence, Both 1 and 2 are correct.

Q2

approves

Solution

When a compound subject contains both a singular and a plural noun or pronoun joined by "or" or "nor," the verb should agree with the part of the subject that is closest to the verb.

Hence, **approves** is the suitable verb for the closest noun **CEO**.

Q3

that is so saturated with water that it acquires the character of a liquid

Solution

When we use the to+verb combination, it implies intention. This means that when we say the sand wants "to acquire" the characteristics of water, it is a thinking, breathing, intentional being that chooses to go out and get the characteristics of water. We know that sand isn't a living thing that has intentions of its own. Therefore, it isn't appropriate to say "to acquire."

Hence, "that is so saturated with water that it acquires the character of a liquid" is the right choice.

Q4

Affluent

Solution

Affluent means having a great deal of money or wealthy. The blank is preceded by the article 'an'. So, affluent is the right word.

Q5

Will

Solution

To express willingness will is the modal verb used. Hence 'will' is the right word for the blank.

Q6

None of these

Solution

All the given words can be used as an adjective for wind. Hence, the answer is **None of these.**

Q7

have

Solution

They - Third-person plural

The context of the sentence is possession. So, have is the correct verb.

Q8

but except in

Solution

'Excepting for' is an incorrect idiom, the correct form of which is 'except in'. However, in this case, using the simple 'except in' would not be correct. This is because the structure of the sentence is like:

independent clause (noun +\_verb) [Mauritius was] , independent clause (noun + verb) [the English language was]

In a structure like the above both the independent clauses need to be joined by a conjunction such as 'but'.

This is why the correct option is 'but except in'. The other options do not fit this context.

Q9

Desperate

Solution

No Solution

Q10

has

Solution

For "He" the appropriate verb is **has**.

Q11

Picture

Solution

A picture is worth 1000 words - Universally known saying.

Q12

All of George and Ava's sons have brown eyes and all of their daughters have blue eyes.

Solution

No Solution

Q13

Eliminate

Solution

The tense used in the given sentence is simple past tense. So, 'eliminated' is the correct answer.

Q14

Only 1

Solution

***wanted to*** is the correct form to use. Hence, 'helped' is the correct verb for the blank.

Q15

Only 1 and 2

Solution

No Solution

Q16

That he would succeed in his endeavours nobody ever doubted.

Solution

Correct sentence - That he would succeed in his endeavours nobody ever doubted.

Other sentences have unnecessary commas.

Q17

the

Solution

The phrase ***in the line*** does not need the article 'the'. 'in line' is the correct usage.

Hence, 'the' has to be removed.

Q18

1, 2 and 3

Solution

All of them (laugh, joke, and talk) fit in the blank.

Q19

extremely funny

Solution

riot(noun) means a very funny or entertaining occasion or person.

Q20

Only 1

Solution

'give someone the benefit of the doubt' means the state of accepting something/someone as honest or deserving of trust even though there are doubts. So, 1 is correct.

Section 2 - Q&R

Q1

29

Solution

Fifth from left means \_ \_ \_ \_ 5th ;

Now, only if there are 29 people, then 25th from the right will be 5th position as mentioned.

Hence, 29 members

Q2

12 sec

Solution

When a train runs on conveyor, it falls under effective speed category.

Here it is moving along the direction of conveyor, so the effective speed = 10 + 20 = 30 cm/s

With this effective speed, the train crosses point A in 5 seconds,

So length of train = 30 \* 5 = 150 cm

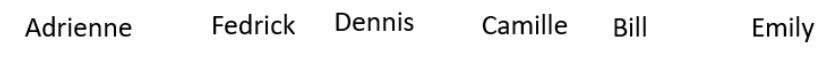
Time taken to cross a platform of length 210cm =(210+150) / 30 = 12seconds

Q3

Adrienne, Fedrick, Dennis, Camille, Bill, Emily

Solution

The arrangement will be as follows :



Q4

South

Solution

F(N)=N\*N+N+1

N = 3

=> F(3) = 3 \*3 + 3 + 1

=> F(3) = 9 + 4

=> F(3) = 13

13 lies between 6 and 15

The toy car moves in the South direction when F(N) is between or equal to 6 and 15

Hence Toy car is moving in **South direction**

Q5

(n-k)C (r-k) x r!

Solution

Number of permutations of n distinct things taking r at a time, when k particular things are always to be included in each arrangement, is

(r−s) objects can be selected from the (n−k) objects in (n-k)C(r-k) ways.

k objects can be selected from k objects only 1 way.

Totally r objects are selected and these can be arranged in r! ways.

Total number of arrangements = (n-k)C(r-k) × r!

Q6

28%

Solution

Total votes received is = 1500 + 3000 + 6000 = 10500

B's % of votes = (3000/10500) \* 100% = 28.5741%

Q7

3 days

Solution

→ LCM of 10 and 20 = 20 units = Let complete task .

then,

→ Efficiency of John = 20/10 = 2 unit/day .

→ Efficiency of Joshua = 20/20 = 1 unit/day.

so,

→ Efficiency of both = (2 + 1) = 3 unit/day.

then,

→ in 3 days both completes = 3 \* 3 = 9 unit of task.

Now,

John alone works for 4 days , so will complete 2\*4 = 8 units is completed.

Remaining work left is 20 - (9 + 8) = 3 units

Joshua resumes the work on 8th day,

So, he will take 3 / 1 = 3 days to complete the remaining work.

Hence, Joshua alone completes the last part of the work in 3 days.

Q8

3

Solution

Red: 15 and Yellow: 85

Since it should have an equal number of flowers in a bouquet, HCF will give us the answer.

Since the common factor between the numbers 15 and 85 is 5, the maximum number of bouquets with an equal number of red and yellow roses will be 5

Q9

10 years

Solution

As per question,

50 - x / 70 - x = 2 / 3

Solving this equation , we get x = 10 years

Q10

S^4

Solution

p1 = 3,

p2 = 5,

p3 = 5\*3 = 15 = t [pn = s given]

p4 = 15\*15

p5= 15\*15\*15\*15 = p^4

Q11

Angle formed is 100 degrees

Solution

We know that the hour hand completes one rotation in 12h, while the minute hand completes one rotation in 60 min.

Therefore, the angle traced by the hour hand in 12h is 360∘

.

 Angle traced by the hour hand in 7 h 20 min, i.e., 22/3 ​h=(360/12 \* 22/3​)∘ =220∘

Also, Angle traced by the minute hand in 60 min=360∘

 Angle traced by the minute hand in 20 min=(360/60​×20)∘

=120∘

Hence, the Required angle between the two hands=220∘−120∘

=100∘

Q12

Thursday

Solution

The correct answer is Thursday!

The first person lies from Monday to Wednesday and the second person lies from Thursday to Saturday.

Both of them tell the truth on Sundays.

But here there is no such pattern where both of them said the truth on a day and lied the day before; since the first person doesn't lie on Saturdays.

So now we know that one of them is lying

There is only one pattern where this is true for the given conditions, that is on Thursday. (The person is lying today but telling the truth yesterday)

So, the second person is lying on Thursday saying that he/she lied yesterday and the first person is saying the truth that he/she lied yesterday. Yesterday is Wednesday and today is Thursday.

Q13

Byrant

Solution

Given, ROYAL is 18, 15, 25, 1, 12

Here, the message is coded by taking the place value of each letter.

So, for 28, 25, 18, 1, 14, 20, the message will be BYRANT. (Here B = 28)

Q14

627000

Solution

Let the number be n

Divisor = 625 + 515 = 1140

Quotient = 5(625 - 515) = 5(110) = 550

remainder = 0

Using remainder theorem

n = divisor x quotient + remainder

n = 1140 x 550 + 0

n = 627000

The number is 627000

Q15

KNR

Solution

The patter for the given series is :

Immediate next letter for each letter in every term.

i.e., I +1 = J

L + 1 = M

P + 1 = Q

Section 3 - TECHNICAL

Q1

len=985 bre=1005

Solution

No Solution

Q2

32 bits

Solution

No Solution

Q3

10 20 30

Solution

No Solution

Q4

Compile Time Error

Solution

No Solution

Q5

The code does not compile.

Solution

No Solution

Q6

6

Solution

funn(1,5) => 1+funn(4,1)

funn(4,1)=> 1+fun(0,4)

fun(0,4)=> 0+4 => 4

funn(4,1)=> 1+4=>5

funn(1,5) => 1+5 => 6

Q7

1,112,223,334

Solution

No Solution

Q8

19845

Solution

No Solution

Q9

Solution

#include<stdio.h>

int check\_palindrome(int n) {

int div = 1;

while (n / div >= 10)

div \*= 10;

while (n != 0) {

int first = n / div;

int last = n % 10;

// If first and last digits are not same then return false

if (first != last)

return -1;

// Removing the leading and trailing digits from the number

n = (n % div) / 10;

// Reducing divisor by a factor of 2 as 2 digits are dropped

div = div / 100;

}

return 1;

}

int large\_palindrome(int A[], int n) {

// Sort the array

for (int i = 0; i <= n; i++) {

for (int j = i; j <= n; j++) {

if (A[i] > A[j]) {

int temp = A[i];

A[i] = A[j];

A[j] = temp;

}

}

}

for (int i = 0; i < n; i++) {

//printf("%d ", A[i]);

}

for (int i = n - 1; i >= 0; i--) {

if (check\_palindrome(A[i]) == 1)

return A[i];

}

return -1;

}

int main() {

int a[15], n, i;

scanf("%d", & n);

for (i = 0; i < n; i++)

scanf("%d", & a[i]);

printf("%d", large\_palindrome(a, n));

return 0;

}

Q10

Files.createDirectory(path, fileAttributes)

Solution

Explanation: New directory can be created using Files.createDirectory(path, fileAttribute).

Q11

Neostark is printed infinite times

Solution

Always remember, a for loop with only two; is an infinite loop. And it is because there is no initialization, condition & increment/decrements

Q12

Solution

#include<iostream>

#include <cstring>

using namespace std;

// Return the maximum length

// prefix which is subsequence.

int maxPrefix(char s[], char t[])

{

int count = 0;

// Iterating string T.

for (int i = 0; i < strlen(t); i++)

{

// If end of string S.

if (count == strlen(s))

break;

// If character match,

// increment counter.

if (t[i] == s[count])

count++;

}

return count;

}

// Driven Code

int main()

{

char S[100], T[100];

cin >> S;

cin >> T;

cout << maxPrefix(S, T) << endl;

return 0;

}

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Bottom of Form

Top of Form

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