2026 CTS TEST-3

Test Summary

* No. of Sections: 3
* No. of Questions: 38
* Total Duration: 90 min

Section 1 - VERBAL

Section Summary

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

Additional Instructions:

None

Q1.

He \_\_\_\_\_\_\_ speak Italian fluently because he spent 5 years there.

may

must

can

none of these

Q2.

**Replace the underlined portion with the answer choice that results in a sentence that is clear, precise, and meets the requirements of standard written English.**

The number of physics principles on tomorrow’s exam are too much for me to remember.

The number of physics principles on tomorrow’s exam are too much for me to remember.

The number of physics principles on tomorrow’s exam is too much for me to remember.

The number of physics principles on tomorrow’s exam is too much of me to remember.

The number of physics principles on tomorrow’s exam are much too much for me to remember.

Q3.

Fill in the blank by choosing the right alternative for the bold part of the sentence from the options.

Opposing free trade, some argue, **is tantamount to support economic injustice.**

is tantamount of supporting economic injustice.

is tantamount with supporting economic injustice.

is tantamountly supporting economic injustice.

is tantamount to supporting economic injustice.

No improvement required

Q4.

**A number of sentences are given below which, when properly sequenced, form a coherent paragraph. Each sentence is labeled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph.**

A. A person's appearance and behavior make us draw conclusions about their education level, socio-economic background, competency, success in career, trustworthiness, level of sophistication, etc.

B. An individual's perception is affected by his cultural experiences, beliefs, attitudes, and expectations.

C. We are constantly feeding other's perceptions of us through our actions, language, dressing, etc.

D. These conclusions are amazingly similar.

E. This is what makes perceptions a truly unique individual experience.

ABDCE

BECAD

CEDAB

BDAEC

Q5.

**A number of sentences are given below which, when properly sequenced, form a coherent paragraph. Each sentence is labeled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph.**

A. Rather, as many view it, it would be inescapable.

B. With the number of flyers growing 6% annually and 3 billion cell phone devices in operation, foreign airlines are racing to offer passengers the ability to call, text, and e-mail with their mobiles and PDAs at about the same rates as for roaming international calls.

C. Connectivity has yet again despoiled once sacred ground, though this time it's in the air.

D. In the U.S., voice won't be available anytime soon, but Wi-fi will make e-mail and testing available next year.

E. Whether you're en route to London, Paris, or Dublin a fellow traveler's gritty life details, will soon be audible.

CEABD

BACDE

EABDC

BEACE

Q6.

**Fill in the blank with the correct option given in the option**

Although Kate’s report on her scientific findings was lengthy, the presentation she held was rather \_\_\_\_\_\_.

brief

neutral

mundane

straightforward

Q7.

**Choose the appropriate word/phrase to complete the sentence.**

She rarely drinks, \_\_\_\_\_\_\_\_\_, not during the week.

particularly

in other words

or at any rate

on the whole

Q8.

**Fill in the blank(s) with the most suitable option.**

She brought her children                        on her own after the divorce.

in

up

out

None of the mentioned options

Q9.

**Identify the part which has error in it:**

The creature on Mars, if any, (A) / are bound to be very different from us (B) / not only in shape but also in size (C) / because of different gravitational conditions (D).

A

B

C

D

Q10.

**Directions: The 1st and the last parts of the paragraph are numbered 1 and 6. The rest of the paragraph is split into four parts and named P, Q, R, and S. These four parts are not given in their proper order. Read the sentence/ paragraph and find out which of the four combinations is correct.**

1. Employees need to follow a meaningful set of guidelines designed to minimize risks while encouraging creativity.

P. They must establish a meaningful corporate culture that encourages a sense of entrepreneurship.

Q. Senior managers have a large role to play in this balancing act.

R. They have to find ways of encouraging mass experiments while limiting possible threats to the company's existence.

S. They need to make sure the workers they hire have the skills necessary to drive the company forward.

6. If all goes well, natural leaders will 'emerge' to move the organization forward.

QSRP

QSPR

SQRP

PSQR

Q11.

**FIll in the blanks with the suitable answer options:**

You \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ go home now. You \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ finish writing those emails. They can wait until tomorrow.

may, needn't

can, needn't

may, mustn't

none of these

Q12.

**Choose the appropriate preposition to complete the sentence.**

\_\_\_\_\_\_\_\_ year 1947, India became an independent country.

In

From

With

To

Q13.

**From the given options choose the one that best expresses the given sentence in active/passive voice:**

My father loves me.

I loved my father

I was loved by my father

I were loved by my father

I am loved by my father

Q14.

**Choose the appropriate word to fill in the blank.**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ go out tonight, but I don’t think so. I feel too tired.

may

can

should

None of the mentioned options

Q15.

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. Mark "No error " if the sentence is correct.**

(1) On my way / (2) back I went / (3) to my / (4) husbands office.

1

2

3

4

No error

Q16.

**From the given options choose the one that best expresses the given sentence in active/passive voice:**

You will praise her very much.

She will praised very much by you

She will be praised very much by you.

She will being praised very much by you.

She will been praised very much by you.

Q17.

**In the given question, a sentence has been broken into five parts, and the parts are jumbled. Choose the option that provides the correct way to rearrange the parts to form a grammatically and contextually meaningful sentence.**

A. the Indigenous group belonging to the Mexican state of Sonora

B. this camp was established to safeguard

C. significance they hold for the Comcaac people,

D. olive ridley turtles, not only because they are

E. endangered, but also because of the cultural

BCEAD

BDECA

ACDBE

DBCAE

Q18.

Choose the appropriate word to fill in the blank

I heard that the chairman ---------------the company

is leaving

has been leaving

leaves

had been leaving

Q19.

Sentences given in each question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of the sentences from among the four given choices to construct a coherent paragraph. The first and the last statement (S1 and S6 )

are given

S1: Politeness is not a quality possessed by only one nation or race.

P :One may observe that a man of one nation will remove his hat or fold his hands by way of greetings when he meets someone he knows.

Q :A man of another country will not to do so.

R :It is a quality to be found among all peoples and nations in every corner of the earth.

S :Obviously, each person follows the custom of his particular country.

S6: In any case, we should not mock at others habits.

The Proper sequence should be:

RPQS

RPSQ

PRQS

QPRS

Q20.

Choose the appropriate verb to complete the sentence

This time next month we ………………on the other side of the country.

have been

were

will be

had been

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

Find the unit digit for the product 568613 × 2173562 x 2929.

8

6

9

1

Q2.

**Find the analogous pair that can replace the question mark given below.**

POLE : WUSK :: TALL : ?

XBSS

ZASR

AGSS

AGSR

Q3.

**The question below consists of a main statement followed by four numbered statements; Select the one that logically follows the main statement.**

Only if Prem does not come, then Vasanth will come to play.

(A) Prem came hence Vasanth will also come to play.

(B) Vasanth will not come to play hence Prem will come.

(C) Vasanth has come to play means Prem is not coming.

(D) Prem has not come hence Vasanth has come to play.

Only C

B and D

Only D

A and B

Q4.

One-third of 12 oranges got rotten. If 4 oranges are taken out randomly, what is the probability that all oranges are rotten?

1/495

3/554

7/495

3/554

Q5.

In a society, there are 100 members. Each of them has been allotted a membership number from 1 to 100. They started a business in which the nth number contributed Rs. (10 \* 2n - 5). After one year, the 4th member gets Rs.62 as his profit share and the percentage profit on investment is the same for all. Find the total profit of the business after one year.

Rs 8\*(2100 – 26)

Rs 4\*(299-26)

Rs 2\*(2100 - 26)

None of these

Q6.

By how much is three-fifth of 350 greater than four-seventh of 210 ?

90

100

110

120

Q7.

At his usual rowing rate, Rahul can travel 12 miles downstream in a certain river in 6 hours less than it takes him to travel the same distance upstream. But if he could double his usual rowing rate for his 24-mile round trip, the downstream 12 miles would then take only one hour less than the upstream 12 miles. What is the speed of the current in miles per hour?

2 2/3 mph

2 mph

1 1/4 mph

3 mph

Q8.

A student gets an aggregate of 60% marks in five subjects in the ratio 10:9:8:7:6 . If the passing marks are 50% of the maximum marks and each subject has the same maximum marks, in how many subjects did he pass the examination?

2

3

4

5

Q9.

Which of the following statement(s) is/are TRUE?

I. 3/71 < 5/91 < 7/99

II. 11/135 > 12/157 > 13/181

Only I

Only II

Both I and II

Neither I nor II

Q10.

One year ago a father was four times as old as his son. In 6 years' time, his age exceeds twice his son's age by 9 years. The ratio of their ages is

13:4

12:5

11:3

9:2

None of the mentioned options

Q11.

**Statement:**The Government has decided to levy 2 percent on the tax amount payable for funding drought relief programmes.

**Assumptions:**

I.The Government does not have sufficient money to fund drought relief programmes.

II.The amount collected by way of surcharge may be adequate to fund these drought relief programmes.

Only assumption I is implicit

Only assumption II is implicit

Either I or II is implicit

Neither I nor II is implicit

Both I and II are implicit

Q12.

**Find the odd man out :**

C, I, S, E, Y, X

X

Y

E

I

None of the mentioned options

Q13.

After walking 6 km, I turned to the right and then walked 2 km. After that I turned to the left and walked 10 km. In the end, I was moving towards the North. From which direction did I start my journey?

North

South

East

West

Q14.

Let S be the set of five-digit numbers formed by the digits 1, 2, 3, 4 and 5, using each digit exactly once such that exactly two odd positions are occupied by odd digits. What is the sum of the digits in the rightmost position of the numbers in S?

228

216

294

192

Q15.

If MOUSE is coded as ONUFT, then CLOCK will be coded as

MDOLD

MDPLD

NDOLD

MDOLE

Section 3 - CODING

Section Summary

* No. of Questions: 3
* Duration: 50 min

Additional Instructions:

None

Q1.

You are required to fix all the logical errors in the given code. You can use click on run to execute your code. You can use printf() to debug your code. The submitted code should be logically and syntactically correct and pass all the test cases. Do not write the main function as it is not required.

**Code approach:** For this code, you will need to write the given implementation. We do not expect you to modify the approach or incorporate any additional library methods.

The function/method **countOccurrence** returns an integer representing the occurrences of a given value in the input list

The function/method **countOccurrence** accepts three arguments - arr, as the input list,n as the size of array and x as the given value

The function/method countOccurance compiles successfully but fails to produce the desired output due to some logical error in the implementation of the function. Your task is to fix the code so that it passes all the test cases.

Sample Input

5

1 2 3 3 4

3

Sample Output

2

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

Q2.

You are required to fix the logical error in the given code. You can click on Run anytime to check the compilation/execution status of the program. You can use printf() to debug your code. The submitted code should be logically/syntactically correct and pass all testcases. Do not write the main() function as it is not required.

Code Approach: For this question, you will need to correct the given implementation. We do not expect you to modify the approach or incorporate any additional library methods.

The function/method **drawPrintPattern** accepts num, an integer and prints the first num lines of the pattern shown below.

Eg: num=4

pattern:

1 1

1 1 1 1

1 1 1 1 1 1

1 1 1 1 1 1 1 1

Sample Input

3

Sample Output

1 1

1 1 1 1

1 1 1 1 1 1

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

Q3.

You are required to complete the given code. You can click on

Compile and Run anytime to check the compilation/execution status of the program. You can use printf to debug your code. The submitted code should be logically/syntactically correct and pass all test cases.

Do not write the main() function as it is not required.

**Code Approach**: For this question, you will need to correct the given

implementation. We do not expect you to modify the approach or

incorporate any additional library methods.

The method **median(int arr[])** of class Median accepts an integer array arr. It is

supposed to calculate and return the median of elements in the input array.

However, incomplete code in the method median (int arr[]) works only for odd

length arrays.

**Note: print the answer with 6 floating points**

Sample Input

7

1 2 3 4 5 6 7

Sample Output

4.000000

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

Answer Key & Solution

Section 1 - VERBAL

Q1

can

Solution

No Solution

Q2

The number of physics principles on tomorrow’s exam is too much for me to remember.

Solution

Here, there is a subject-verb agreement problem. The subject is “number”, which is singular. The verb “are” does not match up with “number” because it is plural. We need to say “number…is”.

Q3

is tantamount to supporting economic injustice.

Solution

The adjective ‘tantamount’ which refers to ‘being essentially equal to something’ is generally followed by the preposition ‘to’ and not by ‘of’ or ‘with’. The correct expression is ‘tantamount to’. This immediately eliminates options A and B.

**Ex.**His statement was tantamount to an admission of guilt.

Option C can be eliminated as well because the English language doesn’t have a word ‘tantamountly’.

Option D is the best choice among the available ones as in it the expression ‘tantamount to’ is followed by the gerund and thus forms a meaningful statement.

Option D is hence the correct answer.

Q4

BECAD

Solution

'This is what makes perception' in 'E' can refer to no other statement in the passage than 'B' which opens the topic 'individual perception'. Hence it is clearly "BECAD"which aptly takes 'D' as a concluding sentence.

Q5

CEABD

Solution

'C' is the opening sentence as it is a general statement introducing the topic of discussion - connectivity, with special reference to air. 'E' continues the idea. 'A' follows as it takes what is said in 'E' forward - it will be audible even if you don't want to listen to it. 'B' follows as it gives more details about connectivity during air travel'. D concludes the paragraph by providing an additional piece of information. Hence, CEABD is the right sequence.

Q6

brief

Solution

The word “although” means that two things are related in a negative or opposite way. The correct answer choice will set up an opposite relationship between Kate’s lengthy report and her presentation. If her presentation was not lengthy, it must have been "brief". “Brief” is the opposite of “lengthy.” The correct answer is (Brief).

Q7

particularly

Solution

"Particularly" emphasizes the specific time frame when she doesn't drink, fitting the context of the sentence.

Q8

up

Solution

brought up - to bring to maturity through care and education

brought in - to use the skills of a particular group or person

brought out - to express (a thought or emotion) in words

Among this, brought up is the perfect fit for the given context of the question.

Q9

A

Solution

’The creature on Mars, if any,’ in the sentence should be replaced by ’the creatures on Mars, if any’.

The plural of ’creatures is used to agree with the verb ’are’ and to correspond with ’if any’. A verb must agree with its subject in number and person. The plural ’parts’ fits in with the verb ’are’.

Q10

QSRP

Solution

Here the correct answer is **QSRP**.

:-

* The first sentence focuses on the need for the employees to follow a set of guidelines.
* The next one will be**Q**as**it talks about the balancing act**which is previously mentioned in **sentence 1** i.e.**to make a balance between following a set of guidelines as well as encouraging creativity.**
* Since all the other sentences have a ‘they’ in them it is assumed that the senior managers are referred to as ‘they’.
* The next sentence is **S**which describes what is the primary role of senior managers.
* **R**continues to describe the other roles of senior managers i.e. to find ways of encouraging mass experiments while limiting possible threats to the company's existence.
* The next sentence is **P**which further tells about the need of establishing a meaningful corporate.
* The last sentence then concludes the paragraph by stating the effects.
* The correct order is **QSRP**.

Q11

can, needn't

Solution

No Solution

Q12

In

Solution

In is used for unspecific times during a day, month, season, year

Q13

I am loved by my father

Solution

Solution:

The given sentence is in active voice and simple present tense. When the voice is changed,

"me" changes to" I am "The right answer is " **I am loved by my father**"

Q14

may

Solution

No Solution

Q15

4

Solution

‘Husbands’ is a plural noun and it is wrong contextually. An apostrophe and the letter s are often used to show possession. The correct sentence is ‘On my way back I went to my husband’s office’.

Q16

She will be praised very much by you.

Solution

Solution:

The given sentence is in simple future tense and in active voice.

When the voice is changed, her becomes she and as subject

You becomes object

Will becomes will be

The right answer is "**She will be praised very much by you.**"

Q17

BDECA

Solution

(B) mentions that this camp was established to safeguard something.

(D) starts with olive ridley turtles who were to be safeguarded. (E) mentions that they are endangered.

D and E can be linked by the conjunction pair 'not only - but also'. So, the pair D-E states that they are to be safeguarded not only because they are endangered but also because they hold 'cultural' significance.

(C) follows (E) because (E) ends with an adjective 'cultural' which can be followed by a noun only, i.e., 'significance'.

Hence, BDECA is the correct arrangement

Q18

is leaving

Solution

The appropriate use of I heard :

I heard (someone) (is doing something)

The appropriate choice of word would be "is leaving"

Q19

RPSQ

Solution

The sentence R follows the statement 1 as the "it" in the option R refers to Politeness in statement 1 and according to the option the next sentence will be P. The idea of P , the difference of customs and S talks about following the customs ,hence it logically follows S. And finally , S will be followed by Q hence the answer is RPSQ.

Q20

will be

Solution

The sentence is in the future form, "Next month" and thus the verb "Will be" should be used.

Section 2 - Q&R

Q1

8

Solution

No Solution

Q2

AGSR

Solution

The pattern here is :

P + 7 -> W ; O + 6 -> U; L + 7 -> S; E + 6 = K

T + 7 -> A ; A + 6 ->G; L + 7 -> S ; L + 6 -> R

Q3

Only C

Solution

It can be concluded from the given sentence that the event of "Vasanth coming to play" will only happen if Prem does not come to play. The answer choice states this conclusion similarly as "Vasanth has come to play implies that Prem is not coming".

Q4

1/495

Solution

Total rotten oranges = 12/3 = 4

4 oranges can be selected from 12 oranges in 12C4 ways, and four rotten oranges can be selected as a set in 4C4 ways

Probability = 4C4 / 12C4

= 1 / 495

Q5

Rs 8\*(2100 – 26)

Solution

Amount contribution by the member =Rs(10 × 2n -5)

 1st member contribute =10 × 21-5

2nd member contribute =10 × 22-5

3rd member contribute =10 × 23 -5

4th member contribute =10 × 24 -5

.

.

.

.

100th member contribute =10 × 2100 -5

Sum of the amount= 10 × 2 [1 + 2 + 4+8+….]-500

=10 ×2[1(2100 -1)/(2-1)]-500

=20[2100 -1] -500

=20[2100 -1 – 25]

Total amount contributed

=20[2100 -26]

Profit percentage

Contribution of 4th person =10 × 24 -5 =155

Profit =Rs 62

% of profit =62/155 ×100 =40%

Total profit =40/100 × 20 [2100 -26]

Total profit =8[2100 -26]

Q6

90

Solution

3/5 of 350 - 4/7 of 210 = 210 - 120 = 90.

Q7

2 2/3 mph

Solution

A group of math equations

AI-generated content may be incorrect.

Q8

4

Solution

Let common factor be x

Let Maximum mark in each subject= 100

Therefore, 10x + 9x + 8x + 7x + 6x = (60/100)\*500= 300

40x = 300

x = 7.5

Least marks = 6\*7.5 = 45

Next subject, marks = 7\*7.5 = 52.5

This is greater than 51%i.e. he passed in 5 - 1 = 4 subjects

Q9

Both I and II

Solution

Both I and II

Q10

11:3

Solution

Let the present ages of father and son be x and y years, respectively

then(x-1)=4(y-1)

=>4y-x=3 and

(x+6)-2(y+6)=9

=>-2y+x=15

solving we get x=33,y=9

Ratio of their ages=33:9=11:3

Q11

Both I and II are implicit

Solution

Since a surcharge has been levied to fund drought relief programmes, it follows that the Government does not have sufficient money for the same. So, I is implicit. Besides, the percentage of surcharge must have been decided after studying the expected inflow in relation to amount of funds required. So, II is also implicit.

Q12

X

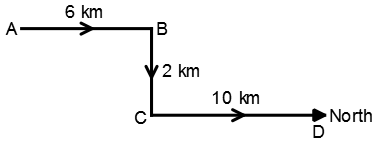
Solution

No Solution

Q13

South

Solution



Q14

216

Solution

We would be first considering the case when 1 is coming at unit place and 3 or 5 is coming at 100th position and even number will be at 10000 position. The possible number of cases are 2 x 2 x 2 = 8.

So, when 1 is coming at the unit position and 1 odd number is coming at 100th position, then there are 8 cases similarly when odd number is coming at 1000 position, then also there will be 8 cases so total number of cases when 1 is coming at unit position is 16. Therefore, summation of all cases is 16 (1 + 3 + 5) = 144.

Now, when even number is coming at the 1 position. Then, the number of possible cases 3 x 2 x 2 x 1 x 1 = 12. Therefore, the summation of these numbers at unit position will be 12 (2 + 4) = 72. So, the total sum of all these numbers will be 144 + 72 = 216 at unit position.

**Alternate Method:**

Option 1 (last digit even)

2 odd numbers out of 3 can be arranged in 3P2 = 3! Ways

The even numbers can be arranged in 2! ways

Sum = (3! \* 2) \* (2+4) = 72

Option 2 (last digit odd)

Last number is either 1, 3 or 5

Given that an odd number can only occupy an odd position, so 2C1 = 2

Either one of the two odd digits can be selected 2C1 = 2

The other odd number has only two places left.

The even numbers can be arranged such in a possible 2! ways.

So (2 \* 2 \* 2 \* 2) \* (1 + 3 + 5) = 144

Total = 72 + 144 = 216

Q15

MDOLD

Solution

Grouping. So here grouping of letters is done. First 2 letters- M and O are grouped and last 2 letters S and E are grouped. After grouping, +1 is added and the position of the letters is interchanged. Like in MO group, +1 is added so the result will be NP and then the letters are interchanged and so the result for 1st group will be PN. Same for the second group and the middle odd letter is as it is.

Section 3 - CODING

1Q.

#include<stdio.h>

int countOccurrences(int arr[], int n, int x)

{

int res = 0;

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

if (x == arr[i])

res++;

printf("%d",res);

}

int main()

{

int n;

scanf("%d",&n);

int arr[n];

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

{

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

}

int x;

scanf("%d",&x);

countOccurrences(arr, n, x);

return 0;

}

Q2

#include<stdio.h>

void drawPrintPattern(int num)

{

int line,count;

for(line=1;line<=num;line++)

{

for(count=1;count<=2\*line;count++)

{

printf("1 ");

}

printf("\n");

}

}

int main()

{

int num;

scanf("%d",&num);

drawPrintPattern(num);

return 0;

}

Q3

#include <stdio.h>

#include<stdlib.h>

float findMedian(int\* a, int n)

{

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

for(int j=i+1;j<n;j++){

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

int temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

if (n % 2 != 0)

return (float)a[n/2];

return (float)(a[(n-1)/2] + a[n/2])/2.0;

}

int main()

{

int n;

scanf("%d",&n);

int\* a;

a=(int\*)malloc(sizeof(int)\*n);

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

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

}

printf("%f",findMedian(a,n));

return 0;

}