2026 CTS TEST-4

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.

**You are requested to identify the best way of writing the sentence in the context of the correct usage of standard written English. While doing so, you have to ensure that the message being conveyed remains the same in all the cases.**

Yelling after it as the taxi drove away, leaving Austin and me standing helplessly on the sidewalk.

Yelling after it as the taxi drove away, leaving Austin and me standing helplessly on the sidewalk.

While yelling after it and watching the taxi drive away, which left Austin and me standing helplessly on the sidewalk.

Left helplessly standing on the sidewalk after Austin and me yelled after the taxi and watched as it drove away.

As we yelled after it, the taxi drove away, leaving Austin and me standing helplessly on the sidewalk.

After having yelled after it, the taxi driving off and leaving Austin and me on the sidewalk, watching helplessly.

Q2.

**Fill in the blank with right option:**

Nowadays the beaches \_\_\_\_\_\_\_\_\_ polluted.

are

had been

is

was

Q3.

**Fill in the blank with the appropriate verb :**

They \_\_\_\_\_\_\_\_ cooking, when we went to their house.

were finishing

finished

had finished

have finished

Q4.

**Replace the underlined part of the sentence with a grammatically correct option.**

A 1972 agreement between Canada and the United States reduced the amount of phosphates that municipalities had been allowed to dump into the Great Lakes.

reduced the amount of phosphates that municipalities had been allowed to dump

reduced the phosphate amount that municipalities had been dumping

reduces the phosphate amount municipalities have been allowed to dump

reduced the amount of phosphates that municipalities are allowed to dump

Q5.

**Complete the following sentence by choosing the right option.**

Speak up! I am not able to hear you because your TV \_\_\_\_\_\_\_ too much noise.

makes

made

has made

is making

Q6.

**Directions: The first 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. Obesity is caused by an excessive accumulation of fat in our body. It is the most prevalent medical problem having, a negative impact, on the world.

P. “Prevention is always better than a cure”. If we are to overcome this, we need to look towards its roots in childhood.

Q. Exercise, sports, and changing our diet in our formative years is one way of fighting against this situation in later life.

R. Severe health complications like diabetes, high blood pressure, heart attack, nerve damage, etc. are associated with obesity

S. A social stigma is attached to obese people, who often become a laughing stock when they are incapable, due to their excess weight, of performing any task independently.

6. Making it of utmost importance to create awareness about the serious repercussions in the minds of people of all ages.

1

PQRS

QRPS

SRQP

RPQS

Q7.

**Change the voice of the given statement:**

The crew has collected all the details about the destination.

All the details of the destination has been collected by the crew.

All the details about the destination have been collected by the crew.

The collection of the details have been done by the crew.

All the details have been collected

Q8.

**In the following question, statements 1 and 6 are respectively the first and the last sentences of a paragraph and statements A, B, C and D come in between them. Rearrange A, B, C and D in such a way that they make a coherent paragraph together with statements 1 and 6. Select the correct order from the given choices and mark its number as your answer.**

1. Terrorism emerges from blind hatred of another, and that in turn is the product of three factors: fear, rage and incomprehension.

A. As this lesson is absorbed and applied, the 21st century could yet become a time of mutual understanding such as never seen before.

B. Fear of what the other might do to you, rage at what you believe the other has done to you, and incomprehension about who or what the other really is - these three elements fuse together in igniting the deadly combustion that kills and destroys people whose only sin is that they feel none of these things themselves.

C. We will have to know each other better, learn to see ourselves as others see us, learn to recognize hatred and deal with its causes, learn to dispel fear and above all just learn about each other.

D. If terrorism is to be tackled and ended, we will have to deal with each of these three factors, by attacking the ignorance that sustains them.

6. A world in which it is easier than ever before to meet strangers must also become a world in which it is easier than ever before to see strangers as no different from ourselves.

BDCA

ACBD

DCBA

CABD

Q9.

**Pick out the best alternative for the underlined part in the given sentences**

The smooth passage of the Insurance Bill through the Lok Sabha is the best news which India has have in recent years.

is the best news which India has have in recent years.

is the best news which India has had in recent years.

is the best news which India had in recent years.

is the best news India has in recent years.

Q10.

**Find the correct alternative for the underlined part.**

The expedition did not enter the water-filled clearing because it believed that to do it endangers the rare Spanish moss hanging from the trees.

to do it endangers

doing it endangers

to do this would endanger

doing so would endanger

Q11.

Choose the appropriate word to complete the sentence

She ………………. to get the new project assigned to her yesterday.

waits

was being waited

is being waited

had been waiting

Q12.

**Identify the one that is opposite in meaning (antonym) to the question word and mark.**

Bucolic

lecherous

rustic

fragrant

urban

Q13.

**The sentence given below has four parts, indicated by (a), (b) and (c). Read the sentence to find out whether there is an error. If the sentence has no error, indicate the part (d), which stands for ‘No error’. (Ignore the error of punctuation, if any)**

In a city like this (a) / where the population is the huge(b) / I did not know hardly (c) / anyone (d).

(a)

(b)

(c)

(d)

Q14.

**Pick out the best alternative for the underlined part of the sentence.**

By the time he had won his commission, Mohan had to start seeking employment elsewhere.

had started seeking

were started seeking

had been started to seek

were to have started seeking

Q15.

**The sentence given below has four parts, indicated by (A), (B), (C) and (D). Read the sentence to find out whether there is any error and mark the part containing the error as the answer. If the sentence has no error, indicate the part (E), which stands for ‘No error’. (Ignore the error of punctuation, if any)**

(A) The Mysore Goods Express train / (B) laden with coal/ (C) got crashed in / (D) the Kannur Junction. / (E) No error.

A

B

C

D

E

Q16.

Identify the one which is opposite in meaning (antonym) to the question word and mark.

remonstrate

reject

retort

accede

protest

Q17.

**Pick out the best alternative for the underlined part in the given sentences**

She continued her singing, dancing and acting in plays since her school and college years but lately get more and more involved in social work.

since her school and college years but lately get

since her school and college years but lately got

throughout her school and college years but lately got

for her school and college years but lately get

Q18.

**In each of the following sentences, a part of the sentence or the whole sentence is underlined. Beneath each sentence, four different ways of phrasing the underlined part are indicated. Choose the best alternative from among the four.**

Lacking Information about energy use, people tend to overestimate the amount of energy used by equipment, such as lights, that are visible and must be turned on and off and underestimate that used by unobtrusive equipment, such as water heaters.

equipment, such as lights, that are visible and must be turned on and off and underestimate it when

equipment, such as lights, that is visible and must be turned on and off and underestimate it when

visible equipment, such as lights, that must be turned on and off and underestimate that

visible equipment, such as lights, that must be turned on and off and underestimate it when

Q19.

**Identify the one which is opposite in meaning (antonym) to the question word and mark.**

cumbersome

senile

gigantic

convenient

unwieldy

Q20.

Choose the part of the sentence that has error in it. If no error is seen, the choose option D

(A)As maria returned home (B)she found the hall to be empty as(C) everyone were hiding in the kitchen (D)No error

A

B

C

D

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

If the fifth and 12th letters of the word ‘GLORIFICATIONS’ are interchanged, also fourth and 14th letters, third and 10th, second and 11th, first and 13th then which of the following would be 12th letter from the right?

T

O

R

I

Q2.

Siddharth started to walk towards the South-East on a road and stopped after moving 26m. Now he turned left-hand side and moved 16 m. How much minimum distance he has to cover to reach his starting point?

20m

25m

30m

38m

Q3.

How is ‘face’ written in that code language?

I) In a certain code language, ‘no one with face’ is coded as ‘fo to om sop’ and ‘no one has face’ is coded as ‘om sit fo sop’

II) In a certain code language, ‘face of no light’ is coded as ‘om mot fo kiz’, and ‘no one is smart’ is coded as ‘sop fo sip lik’.

If data in the statement I alone is sufficient to answer the question.

If data in the statement II alone is sufficient to answer the question.

If data either in the statement I alone or statement II alone are sufficient to answer the question.

If data given in both I & II together are not sufficient to answer the question.

If data in both statements I & II together are necessary to answer the question.

Q4.

A starts from a point and walks 5 kms north, then turns left and walks 3 kms. Then again turns left and walks 5 kms. Point out the direction in which he is going now.

North

South

East

West

Q5.

Rajiv sold an article for Rs.56 which cost him Rs.x. If he had gained x% on his outlay, what was his cost?

Rs.40

Rs.48

Rs. 36

Rs. 28

Q6.

Each of the following problems has a question and two statements which are labeled as I and II. Use the data given in statements I and II together with commonplace knowledge to decide whether these statements are sufficient to answer the questions.

What fraction of the student body of a school eats in the canteen?

I. Half the girls of the school eat in the canteen.

II. One-third of the boys of the school eat in the canteen.

If you can get the answer from statement II alone but not from statement I alone.

If you can get the answer from statements I and II together, although neither statement by itself suffices.

If either statement I or II above is sufficient to answer the question.

If you cannot get the answer from statements I and II together, but need even more data.

None of the mentioned options

Q7.

From a group of 13 scientists which contains 5 mathematicians and 8 physicists, it is required to appoint a committee of two. If the selection is made without knowing the identity of the scientists, what is the probability that one will be a mathematician and the other a physicist?

20/39

1/4

7/13

None of these

Q8.

**Directions:**

**What will replace the question mark (?) in the following series?**

1, 3, 9, 39, 249, 2559, ?.

Q9.

Ram can paint his house in 30 days while Mohan can do the same in 50 days. Mohan worked at it for 9 days. How many more days will be required by Ram to finish the remaining work?

123/5 days

45 days

25 days

121/5 days

Q10.

Madhav walks towards the North for 15 m and from there he goes towards the right-hand side for 10 m and again turns right-hand side for 5 m. He is in which direction?

North-West

North-East

East

South

Q11.

**Directions:** In the following question, three conclusions are given and five statements are given as a), b), c), d) and e). From this, you have to take the statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given statement logically follows.

**Conclusions:**

Some roots are clothes

Some rags are wells is a possibility

Some clothes are rags

**a) Statements:** All rags are tanks. No rags are clothes. Some tanks are not wells. All wells are roots

**b) Statements:** No rags are tanks. All tanks are clothes. Some clothes are not well. All wells are roots

**c) Statements:** All rags are tanks. All tanks are clothes. Some clothes are not well. All wells are roots

**d) Statements:** Some rags are tanks. All tanks are clothes. Some clothes are well. All wells are roots

**e) Statements:** Some rags are tanks. All tanks are clothes. No clothes are well. No wells are roots

(a)

(b)

(c)

(d)

(e)

Q12.

Select the related letters from the given alternatives.

PRLN : XZTV :: JLFH : ?

NPRT

NRPT

NTRP

RTNP

Q13.

**In the question below relationship between different elements is shown in the statements. The statements are followed by two conclusions**.

**Statement:** X > P ≥ W < Z ≤ T < S, P ≥ V

**Conclusions:**

I. P > T

II. X > V

if only conclusion 2 is true

if only conclusion 1 is true

if either conclusion 1 or conclusion 2 is true

if neither conclusion 1 nor conclusion 2 is true

if both conclusion 1 and conclusion 2 are true

Q14.

In an organization, 40% of the employees are matriculated, 50% of the remaining are graduates and the remaining 180 are post-graduates. How many employees are graduates?

360

240

180

300

Q15.

Find the number of trailing zeros in 149!

30

35

36

37

Section 3 - CODING

Section Summary

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

Additional Instructions:

None

Q1.

Given a program that determines the price of a movie ticket. The program asks for the customer's age and for the time on a 24-hour clock (where noon is 12.00 and 4:30 PM is 16.30). The show timings are 10.15, 13.30, 18.00 and 22.00. The normal adult ticket price is 8.00,however the adult matinee price is 5.00. Adults are those over 13 years. The normal children's ticket price is 4.00,however the children′s matinee price is 2.00.

The code below has logical errors. Debug the code so as to pass through all the test cases.

Input Format

The first input is an integer which corresponds to the age. The second integer is a float which corresponds to the show timing.

Output Format

Refer sample input and output for further formatting specifications.

Sample Input

10

10.15

Sample Output

The ticket price is $4.00

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

Q2.

Write a program to convert the given string in upper case .

Sample Input

Placement

Sample Output

The String in Uppercase = PLACEMENT

Time Limit: 10 ms Memory Limit: 256 kb Code Size: 1024 kb

Q3.

Write a program to print below pattern.

Example:

Input: 5

Output:

A number on a white background

AI-generated content may be incorrect.

Input Format

Enter the single interger value.

Output Format

As displayed in sample output

Sample Input

5

Sample Output

1 1

12 21

123 321

1234 4321

1234554321

Sample Input

-1

Sample Output

Enter a valid size

Time Limit: 10 ms Memory Limit: 256 kb Code Size: 1024 kb

Answer Key & Solution

Section 1 - VERBAL

Q1

As we yelled after it, the taxi drove away, leaving Austin and me standing helplessly on the sidewalk.

Solution

In this complex sentence, choice d is the only choice that results in a complete sentence. The other choices are sentence fragments.

Q2

are

Solution

Beaches are plural so the verb should also be plural."are" is the answer.

Q3

had finished

Solution

They \_\_\_\_\_\_\_\_ cooking when we went to their house.

when we went to their house - Second event

Cooking - First event

Second event happened in the past and the first happened before the second one. Hence, past perfect tense should be used.

Answer - had finished

Q4

reduced the amount of phosphates that municipalities are allowed to dump

Solution

The 1972 agreement was in past so ‘reduced’ is correct. So relating with the fact in present D is the right choice.

Q5

is making

Solution

The sentence is describing an ongoing action or a situation that is happening at the present moment. Therefore, the present continuous tense "is making" is appropriate in this context. It implies that, currently, the TV is producing too much noise, making it difficult for the speaker to hear.

Q6

SRQP

Solution

The correct sequence is SRQP. This passage is about obesity and its repercussions. It starts by outlining the severe health complications associated with obesity (S) before highlighting the social stigma attached to obese individuals (R). Following this, it discusses the importance of prevention in childhood as an effective strategy (Q), emphasizing that prevention is better than a cure. Finally, it concludes by stressing the necessity to create awareness about the serious repercussions of obesity across all age groups (P). This sequence creates a logical progression, starting from health implications, moving to prevention strategies, and concluding with the call for increased awareness about the issue.

**The correct answer is Option (3)**

Q7

All the details about the destination have been collected by the crew.

Solution

The given question is in active voice,

So, when converting to passive, we need to :

Swap the subject 'The crew' and object 'details about the destination.'

The be verb 'been' needs to be included before the helping verb 'have' (since details is plural)

Q8

BDCA

Solution

Statement 1 which explains how terrorism has emerged from hatred and how hatred in turn has originated from fear, rage and incomprehension should necessarily be followed by statement 'B' which offers an explanation for these three factors. 'These three factors' in 'D' links it to 'C' which is followed by 'A'. Option 1 is the only sequence starting with 'B'.

**The correct answer is Option (1)**

Q9

is the best news which India has had in recent years.

Solution

The sentence is in present perfect tense, so the answer is 2

Q10

doing so would endanger

Solution

"Doing so would endanger" appropriately used the adverb ’so’ to refer back to the verb.

Q11

had been waiting

Solution

Since the action happened yesterday the verb should be in the past form. The person is still waiting for the project.

Q12

urban

Solution

'Bucolic' means a country person. Hence, 'Urban' is opposite in meaning to the word 'bucolic'.

Q13

(c)

Solution

Replace ‘did not know hardly’ by ‘hardly knew’. Hardly means ‘almost not’ and it is used as an adverb.

Q14

had started seeking

Solution

Option : **Were started seeking** is wrong because the sentence talks about a single person, and so were is wrong.

Sentence construction is wrong in **had been started to seek** and **were to have started seeking**

.The answer is : **has started seeking**

Q15

D

Solution

Th word Kannur Junction does not need any article.

D has the error.

Q16

accede

Solution

'Remonstrate' is to protest, argue, dispute or object. The appropriate antonym of remonstrate is 'accede' which means assent or agree to something.

Q17

throughout her school and college years but lately got

Solution

The sentence is not about the present, so options 1 and 4 can be eliminated.

Her singing, dancing and acting is not the same as it was in school and college, so throughout is better than since.

Q18

visible equipment, such as lights, that must be turned on and off and underestimate that

Solution

**Ans. (3).***Equipments* is plural and hence demands a plural conjunction. This is absent in option (2) and hence it is rejected. Although it is present in option (1), there is redundancy in usage of words. Hence this too is rejected. Use of*when* in option (4) is incorrect as it implies an event whereas the original statement refers to an object. Hence only option (3) is appropriate.

Q19

convenient

Solution

'Cumbersome' means unwieldy, bulky or clumsy. 'Senile' means mentally or physically infirm with age. Hence, 'convenient' meaning comfortable is the right option.

Q20

C

Solution

Everyone was is the correct form

Section 2 - Q&R

Q1

T

Solution

By interchanging the letters according to the question, the following word is formed:

Given:      G L O R I F I C A T I O N S

Interchanged: N I T S O F I C A O L I G R

12th letter from the right is T

Q2

30m

Solution

we have to apply the Pythagoras theorem to get the answer. We will take the square of each number i.e. 26 and 16, which are 676 and 256 respectively. Next, we will add them and the result of addition is 932. Finally, we will take the square root of the addition and the result is 30.05 m. So, the minimum distance here is 30 m.

Q3

If data in both statements I & II together are necessary to answer the question.

Solution

From I : ‘no one face’ is coded as ‘om fo sop’

From II : ‘no’ is ‘fo’

Now from both – ‘one face’ is ‘om sop’ and now from II: ‘face of no light’ is written as ‘om mot fo kiz’, ‘face’ is ‘om’

Q4

South

Solution

A diagram of a starting point

AI-generated content may be incorrect.

Q5

Rs.40

Solution

x is the cost price of the article and x% is the profit margin.

Therefore, S.P = 56

Profit% = x = 56-x/x \* 100

So, 100x + x2 = 5600.

Solving for 'x' , we get x = 40 or x = -140.

As the price cannot be a -ve quantity, x = 40.

The cost price is 40 and the markup is 40.

Q6

If you cannot get the answer from statements I and II together, but need even more data.

Solution

To answer the question, we will need the ratio of boys to girls, as well as the data from the 2 statements.

Q7

20/39

Solution

No. of ways to select 2 members from a group of 13 = 13C2

 No. of ways to select 1 member from a group of 5 = 5C1

No. of ways to select 1 member from a group of 8 = 8C1

The probability that one will be a mathematician and the other a physicist

= [(5C1 \* 8C1) / 13C2 ] = 20 / 39

Q8

32589

Solution

Series Pattern Given Series

1 1

1 + 2 = 3 3

3 + 2 × 3 = 9 9

9 + 2 × 3 × 5 = 39 39

39 + 2 × 3 × 5 × 7 = 249 249

249 + 2 × 3 × 5 × 7 × 11 = 2559 2559

2559 + 2 × 3 × 5 × 7 × 11 × 13 = 32589 32589

Q9

123/5 days

Solution

Mohan's 9 day's work = 9/50.

Remaining Work = 1 – 9/50 = 41/50.

 Time taken by Ram to finish this remaining work = (41/50) / (1/30) = 123/5 days more.

Q10

North-East

Solution

When he goes towards North and turns right-hand side, he is either in North or in East. But he has traversed less in the last move than his first move by 10 m. So, he is in the North-East direction.

Q11

(d)

Solution

Case I:

A diagram of clothes and wells

AI-generated content may be incorrect.

Case II:

A diagram of different types of clothing

AI-generated content may be incorrect.

Q12

RTNP

Solution

(D)

J     L    F  H

+8 +8 +8 +8

R   T    N  P

Q13

if only conclusion 2 is true

Solution

X > P ≥ W < Z ≤ T < S No realtionship can be established between P and T. Hence conclusion I is not true. X > P ≥ V X > V. Hence conclusion Ii is true.

Q14

180

Solution

Let the total no of employees be x

180 = 50% of 60% of x

180 = 50/100 \* 60/100 \* x

x = 180 \* 100/30

x = 600

graduated = 50% of 60% of 600

= (50/100) \* (60/100) \* 600= 30 \* 6 = 180

Q15

35

Solution

Number of zeros = Number of 5's

Number of 5's in 149!= Q(149/5)+ Q(149/52)+Q(149/53)+Q(149/54)+..

Q refers to the Quotient

= 29+5+1= 35

There are 35 zeros at the end of 149!

Section 3 - CODING

Q1

#include<stdio.h>

int main()

{

int age;

float time,time1;

scanf("%d",&age);

scanf("%f",&time);

time1=13.30;

if(age>13)

{

if(time==time1)

{

printf("The ticket price is $5.00");

}

else

{

printf("The ticket price is $8.00");

}

}

else if(age<=13)

{

if(time==time1)

{

printf("The ticket price is $2.00");

}

else

{

printf("The ticket price is $4.00");

}

}

return 0;

}

Q2

#include<stdio.h>

#include<string.h>

int main()

{

char str[200];

int i;

scanf("%s",str);

for(i=0;i<=strlen(str);i++)

{

if(str[i]>=97 && str[i]<=122)

{

str[i]=str[i]-32;

}

}

printf("The String in Uppercase = %s",str);

}

#include<stdio.h>

#include<string.h>

int main()

{

char str[200];

int i;

scanf("%s",str);

for(i=0;i<=strlen(str);i++)

{

if(str[i]>=97 && str[i]<=122)

{

str[i]=str[i]-32;

}

}

printf("\nThe String in Uppercase = %s",str);

}

Q3

#include<stdio.h>

int main()

{

int i,j,k,n;

//int n=atoi(argv[1]);

scanf("%d",&n);

if(n>0)

{

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(j<=i)

printf("%d",j);

else

printf(" ");

}

for(j=n;j>=1;j--)

{

if(j<=i)

printf("%d",j);

else

printf(" ");

}

printf("\n");

}

}

else

printf("Enter a valid size");

return 0;

}

OR

#include<stdio.h>

int main()

{

int i,j,k,n;

//int n=atoi(argv[1]);

scanf("%d",&n);

if(n>0)

{

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(j<=i)

printf("%d",j);

else

printf(" ");

}

for(j=n;j>=1;j--)

{

if(j<=i)

printf("%d",j);

else

printf(" ");

}

printf("\n");

}

}

else

printf("Enter a valid size");

return 0;

}

Top of Form

Bottom of Form

Top of Form

Bottom of Form