2026 CTS TEST-1

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.

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

﻿ It is your duty to make tea at eleven o’clock.

You are asked to make tea at eleven o’clock.

You are required to make tea at eleven o’clock.

You are supposed to make tea at eleven o’clock.

Tea is to be made by you at eleven o’clock.

Q2.

Fill in the blank with appropriate tense

By the time I go to bed tonight, I \_\_\_\_\_\_\_my work for the day.

will finish

have finished

will have finished

finish

Q3.

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

The book reflects the wide range of concerns and the multitude of ways **in which the United Nations touch the lives of people everywhere.**

in which the United Nations touches the lives of people everywhere.

which the United Nations touches the lives of people everywhere.

in which the United Nations touches all the lives of people in every place.

in which United Nations touches the lives of people everywhere.

No improvement required

Q4.

Fill the blank with the appropriate form of verb from the options given below.

This time tomorrow, I \_\_\_\_\_\_\_ on the beach in Singapore.

will have sit

will be sitting

will sit

am going to sit

Q5.

**Choose the answer choice that contains words that best complete the sentence.**

Strictly\_\_\_\_\_\_\_\_\_the environmental laws on industries, as well as on city-bred elites, holds the key to stopping the\_\_\_\_\_\_\_\_\_of natural resources.

implementing, decline

enforcing, degradation

enacting, deterioration

inflicting, decay

Q6.

**In the sentence provided a part of the sentence is underlined. Beneath the sentence, four/five different ways of paraphrasing the underlined part are indicated. Choose the best alternative amongst the four/five.**

Unfortunately last night temperature dropped suddenly , which will mean that the shoots emerging from the soil will be killed by the frost

which will mean that the shoots emerging from the soil will be killed by the frost

which will mean that the frost will kill the shoots emerging from the soil.

and the resulting frost will kill the shoots that are emerging from the soil.

and as a result, the shoots will be killed by the frost, emerging from the soil.

Q7.

**Convert the below sentence into its active/passive form:**

By now the participants will have been vacated.

They will vacated the participants now.

They will have vacated the participants by now.

They have vacated the participants by now.

They will have been vacated the participants by now.

Q8.

**Fill in the blanks with the correct pair of words or phrases so that the sentence is grammatically meaningful and appropriate.**

\_\_\_\_\_\_\_\_\_ the student see his teacher \_\_\_\_\_\_\_\_\_ he ran into the class.

No sooner, than

No sooner did, when

No sooner did, than

No sooner, when

None of the mentioned options

Q9.

**The sentence below has blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.**

In the New Zealand, cricket evokes a \_\_\_\_\_\_\_\_\_ response as compared to rugby, that almost \_\_\_\_\_\_\_\_\_\_ the nation.

tepid, boiling

turbid, fascinating

lukewarm, electrifies

apocryphal, fascinates

Q10.

**Fill in the blanks with the suitable option:**

While they \_\_\_\_\_\_\_\_\_\_\_, they heard a terrific roar.

had been talking

were talking

have been talking

will be talking

None of the mentioned options

Q11.

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

He left his studies; he has not able to resume his studies and possibly will never be able to resume his studies again.

he has not able to resume his studies and possibly will never be able to resume his studies again.

he has not able to resume his studies and possibly never will be able resume again.

he has not been and possibly will never be able to resume his studies.

he has not been able to resume and will never be able to resume his studies again.

Q12.

**Fill in the blanks with suitable prepositions from the given choices:**

She was excited \_\_\_\_\_\_ the surprise party arranged \_\_\_\_\_ her birthday.

by, on

with, on

with, during

by, in

Q13.

Innovation is a \_\_\_\_\_\_\_\_ and brings tangential benefits through products and services that may not even have been its \_\_\_\_\_\_\_Purpose.

Failed, Occasionally

Scarcely, Incumbent

Led, Alluring

Recombinant , Initial

Q14.

**Fill in the blank with a suitable article from the options given.**

When Jennie was young she knew \_\_\_\_\_\_ Picasso.

a

an

the

no article

Q15.

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

Low consumer demand has forced the retailer to mark \_\_\_\_\_\_\_\_ a wide range of goods by as much as 40%

up

down

back

off

Q16.

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

Bucolic

lecherous

rustic

fragrant

urban

Q17.

**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)

Q18.

**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

Q19.

**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

Q20.

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

remonstrate

reject

retort

accede

protest

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

In the following question, one term in the number series is wrong. Find out the wrong term.

11, 42, 39, 164, 525, 421, 749.

164

421

525

749

Q2.

Shankran walked 5 m in the direction of North. Then he turned to his right and walked 3 m. After this he turned to his right and walked 5 m. In the end he turned to his right and walked 13 m. How far is he from his starting place?

13m

3m

5m

10m

Q3.

The remainder when 239 is divided by 39 is :

0

2

8

1

Q4.

Two positions of a dice are shown below. Which number will appear on the face opposite to the face of the number 5?

A close-up of a cube

AI-generated content may be incorrect.

2/6

2

6

4

Q5.

What is the number of digits in 327? Given that log3 = 0.47712?

12

14

13

15

Q6.

Nishu and Archana can do a piece of work in 10 days and Nishu alone can do it in 12 days. In how many days can Archana do it alone?

60 days

30 days

50 days

45 days

Q7.

Out of 5 women and 4 men a committee of three members is to be formed in such a way that at least one member is a woman. In how many different ways can it be done?

80

84

76

96

Q8.

If code X is denoted by 7, P by 9, Z by 6, M by 5, L by 3, D by 2, then PLDXMZ will be

932756

923756

652736

937526

Q9.

In the following questions, a related pair of figures is followed by four numbered pairs of figures, select the pair that has a relationship similar to that in the original pair. The best possible answer is to be selected from a group of fairly close choices.

A screenshot of a computer

AI-generated content may be incorrect.

Q10.

**In the following questions given figures represent two different views of a cube. Study the figures carefully and answer the questions.**

When there are two dots at the bottom, the number of dots at the top will be

A pair of dice with black dots

AI-generated content may be incorrect.

3

4

5

6

Q11.

A man in a bus travels at a speed of 55 m/sec. What will be his speed in Km/hr?

175 Km/hr

188 Km/hr

160 Km/hr

198 Km/hr

Q12.

Arjun walk 10m towards south west and 10 m to the right.Then every time turning to his left,he walks 5, 15, and 15 m respectively.How far is he now from his starting point?

5m

10m

15m

20m

Q13.

In a certain code TEMPORAL is written as OLDSMBSP. How is CONSIDER written in that code?

RMNBSFEJ

BNMRSFEJ

RMNBJEFS

TOPDQDCH

Q14.

Find the difference between SI and CI on Rs.2000 for 2 years at the rate of 10% p.a.

Rs.20

Rs.30

Rs.40

Rs.50

Q15.

How many arrangements can be made out of the letters of the word COMMITTEE, taken all at a time, such that the four vowels do not come together?

216

45360

1260

43200

Section 3 - TECHNICAL

Section Summary

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

Additional Instructions:

None

Q1.

Complete the function to find the power of a number. Program gets 2 numbers (base and power) and finds the value of it using recursion.

Input Format

Input consists of two numbers base and power.

Output Format

The output prints the result.

Sample Input

8 10

Sample Output

1073741824

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

Q2.

You are required to fix all the syntactical 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.

Make use of the existing functions.

A Program to check if strings are rotations of each other or not

Given a string s1 and a string s2, write a programt to say whether s2 is a rotation of s1?

(eg given s1 = ABCD and s2 = CDAB, return 1, given s1 = ABCD, and s2 = ACBD , return -1)

The function/method **mystrcmp** compilation fails due to incorrect implementation of the function.Your task is to fix the code so that it passes all the test cases.

Input Format

Input contains two strings

Output Format

Print 1 if two string are rotation of each other else -1

Constraints

1<=string\_length<=1000

Sample Input

sample

mplase

Sample Output

-1

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

Q3.

You are required to fix all logical errors in the given code. You can click on Compile and Submit anytime to check the compilation/execution status of the program. The submitted code should be logically/syntactically correct and pass all testcases.

Check for syntax error/ logical error and correct the error to remove duplicate elements in the array.

Input Format

The first line of the input consists of the value of n.

Next line consists of the array elements separated by a space.

Output Format

Output prints the array elements separated by a space after removing duplicates.

Sample Input

6

11 12 13 11 9 12

Sample Output

11 12 13 9

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

Answer Key & Solution

Section 1 - VERBAL

Q1

You are supposed to make tea at eleven o’clock.

Solution

The question states it is duty. So the answer should also state it. All options other than "You are supposed to make tea at eleven o’clock." does not fit in the context. The right answer is "You are supposed to make tea at eleven o’clock".

Q2

will have finished

Solution

The future perfect tense is used to indicate a future event that has a definitive end date. It follows a general formula of will + have + verb (ending in -ed).

The verb here should be "Will have finished"

Q3

in which the United Nations touches the lives of people everywhere.

Solution

Option B is incorrect because the preposition ‘in’ is missing before “which”. This changes the meaning of the sentence. It indicates the UN touches the ways. Option B hence gets eliminated.

Option C is erroneous as well because “all” is not required. Plus, ‘everywhere’ is more appropriate than ‘every place’.

Option D is also incorrect because United Nations is a world famous organization and assumes the definite article ‘the’ before it.

Clearly, option A is most suitable choice among the given ones.

Q4

will be sitting

Solution

Keyword - This time tomorrow

Tense to be used - Future continuous

Answer - will be sitting

Q5

enforcing, degradation

Solution

The word “strictly” in the sentence says that the word in the first blank must be enforcing “(imposing some thing with a force) and the sentence bears a reference to natural resources. We do not say decline. Decay or deterioration of natural resources. It is degradation of natural resources – (make worse in quality)

Q6

and the resulting frost will kill the shoots that are emerging from the soil.

Solution

The word which does not have an antecedent noun, and so the construction is incorrect in A and B. C is the best choice. In D, the phrase emerging from the soil is dangling.

**Hence, C is the correct answer.**

Q7

They will have vacated the participants by now.

Solution

By now the participants will have been vacated

They have vacated the participants by now. (tense changed)

They will have been vacated the participants by now. (Tense has changed)

They will have vacated the participants by now ---> is correct

Hence, They will vacate the participants now. (Tense has changed)

Q8

No sooner did, than

Solution

The correct option is "No sooner did, than". In the present context a correlative conjunction is used, 'no sooner did …. Than’.

Q9

lukewarm, electrifies

Solution

The second blank requires a verb in its main format. So, 'boiling' and 'fascinating' cannot be used.

So, it should take either 'electrifies' or 'fascinates'

This leaves us 'lukewarm' and 'apocryphal' for the first blank.

Lukewarm - dispassionate, unenthusiastic

Apocryphal - false, untrue

Comparing these two, 'Lukewarm' is more suitable.

Hence, the answer is "LUKEWARM" and "ELECTRIFIES"

Q10

were talking

Solution

The tense used is past continuous

The subject is plural

The right answer is ***were talking****.*

Q11

he has not been and possibly will never be able to resume his studies.

Solution

The correct choice, "he has not been and possibly will never be able to resume his studies," expresses a sequence of events using the present perfect tense ("has not been") to denote a past action that has an impact on the present situation.

**Hence, Option (3) is the right answer.**

Q12

by, on

Solution

By means ‘as a means of’ something or someone.On is used to denote the event of birthday

Q13

Recombinant , Initial

Solution

The word in the first blank should be an adjective that talks about "innovation".Out of the options recombinant is the adjective.Scarcely is an adverb and the options failed and led do not match with the sentence structure.

Recombinant, Initial is the answer.

Q14

no article

Solution

Proper nouns will not take an article

Q15

down

Solution

 Markdown means a lowering of price, the amount by which an original selling price is reduced.

Q16

urban

Solution

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

Q17

(c)

Solution

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

Q18

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**

Q19

D

Solution

Th word Kannur Junction does not need any article.

D has the error.

Q20

accede

Solution

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

Section 2 - Q&R

Q1

421

Solution

In all the rest of the numbers, one digit is the square of the other.

Option (2) is the correct answer.

Q2

10m

Solution

Movements of Shankran are as follows

A diagram of a square and a square with arrows

AI-generated content may be incorrect.

AE = DE – AD

= 13 – 3

= 10 m

Q3

8

Solution

Rem(21 / 39)= 2

Rem(22 / 39)= 4

Rem(23 / 39)= 8

Rem(24 / 39)= 16

Rem(25 / 39)= 32

Rem(26 / 39)= 25

Rem(27 / 39)= 11

Rem(28 / 39)= 22

Rem(29 / 39)= 5

Rem(210 / 39)= 10

Rem(211 / 39)= 20

Rem(212 / 39)= 1

Rem(213 / 39)= 2

So the remainder repeats after 12 cycles. 239 = (212)\*23

Remainder of 239/39 = Rem(23 / 39)= 8

Q4

6

Solution

Common faces with number 3, are in same positions. Hence the number of the opposite face to face as number 5 will be 6

Q5

13

Solution

log 327 = 27 log 3

= 27(0.4771)

= 12.88

Since characteristic is 12, number of digits will be 13

Q6

60 days

Solution

Nishu and Archana = 10 days

Nishu = 12 days

Total work= LCM= 60 units

Efficiency of Nishu and Archana= 60/10= 6 units/ day

Efficiency of Nishu = 60/12= 5 units/day

Efficiency of Archana= 6-5=1 unit/day

Archana can do it in 60/1= 60 days

Q7

80

Solution

The three ways in which the team can be formed is

1 woman, 2 men: 5C1\*4C2 = 5\*6=30 or

2 women, 1 man: 5C2\*4C1 = 10\*4=40 or

3 women, 0 men: 5C3 = 10

Total = 80

Q8

932756

Solution

P - 9

L - 3

D - 2

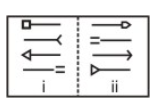
X - 7

M - 5

Z - 6

The code is 932756

Q9



Solution

The first, second, third and fourth arrows from the bottom become third, first, second and fourth arrows in such a way that the first arrow gets reversed, the head of the second and third arrows get reversed and the number of sides of the head of fourth arrow is increased by one.

Q10

3

Solution

From the two different views of the cube it is clear that when two dots is at the bottom three dots will be at the top.

Q11

198 Km/hr

Solution

Speed of man = 55 m/sec

To convert the speed into Km/hr, we multiply by 18/5

Therefore, speed of man =55 × 18/5 m/sec =198 Km/hr

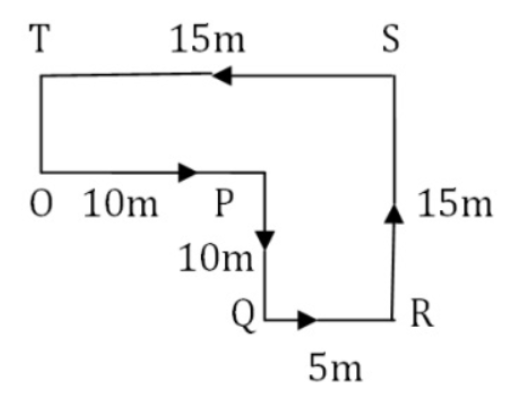
Q12

5m

Solution

The movements of A are as shown in Figure (O to P, P to Q, Q to R, R to S and S to T)

Since TS = OP + QR, so T lies in line with O. A’s distance from the starting point O = OT = (RS – PQ) = (15 – 10)m = 5 m.



Q13

RMNBSFEJ

Solution

No Solution

Q14

Rs.20

Solution

CI for 2 years at the principal of Rs.2000 at 10% is 420

SI for 2 years at the principal of Rs.2000 at 10% is 400

Difference of CI and SI = Rs.20

Q15

43200

Solution

The number of ways in which 9 letters can be arranged = 45360

There are 4 vowels O, I, E, E in the given word. If the four vowels always come together, taking them as one letter we have to arrange 5 + 1 = 6 letters which include 2Ms and 2Ts and this be done i = 180 ways.

In which of 180 ways, the 4 vowels O, I, E, E remaining together can be arranged in = 12 ways

The number of ways in which the four vowels always come together = 180 × 12 = 2160.

Hence, the required number of ways in which the four vowels do not come together = 45360 – 2160 = 43200.

Section 3 – TECHNICAL

1Q.

#include<stdio.h>

int power(int x, int y)

{

if(y != 0)

return (x\*power(x,y-1));

else

return 1;

}

int main()

{

int a,b;

scanf("%d%d",&a,&b);

printf("%ld",power(a,b));

return 0;

}

2Q.

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

int mystrcmp(char\* str1, char\* str2)

{

int index,diff;

for(index=0 ; str1[index]&&str2[index] ; index++)

{

if(str1[index]!=str2[index])

break;

}

diff = str1[index]-str2[index];

if(diff>0)

return 1;

else if(diff<0)

return -1;

return 0;

}

int mystrlen(char \*str)

{

int index;

for(index=0 ; str[index] ; index++);

return index;

}

int main()

{

char str1[100],str2[100],safe;

int len1, len2, shift, diff;

scanf(" %[^\n]s",str1);

scanf(" %[^\n]s",str2);

// printf("%s\n",str1);

//printf("%s",str2);

len1 = mystrlen(str1);

len2 = mystrlen(str2);

diff = mystrcmp(str1, str2);

if(diff==0)

printf("%d",1);

else

{

if(len1==len2)

{

while(len2)

{

safe = str1[len1-1];

for(shift=len1-1 ; shift!=0 ; shift--)

str1[shift] = str1[shift-1];

str1[shift] = safe;

diff = mystrcmp(str1, str2);

if(diff==0)

break;

len2--;

}

if(diff==0)

printf("%d",1);

else

printf("%d",-1);

}

else

printf("%d",-1);

}

return 0;

}

3Q.

#include<stdio.h>

int main()

{

int i, j, k, n;

scanf("%d", &n);

int a[n];

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

{

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

}

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

{

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

{

if(a[j] == a[i])

{

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

{

a[k] = a[k+1];

}

n--;

}

else

{

j++;

}

}

}

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

{

printf("%d ", a[i]);

}

return 0;

}