

SECTIONS

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TCS NQT Practice Tests

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Started on	Wednesday, 15 April 2020, 5:54 PM
State	Finished
Completed on	Wednesday, 15 April 2020, 6:43 PM
Time taken	49 mins 10 secs
Marks	54.00/59.00
Grade	45.76 out of 50.00 (92%)



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Correct

Mark 10.00 out of 10.00

input:  
11010

Output:  
32

1. Valid Input:

a) Only number consisting of 0s and 1s will be given as input

2. Invalid inputs:

a) Decimal b) Fraction c) String

d) Negative number

3. You should generate output as follows:

a) For right output print just the actual Octal Value without any other text.

b) If any error: print 'ERROR' without any other text.

For example:

Test	Input	Result
1	101	5

Answer: (penalty regime: 10, 20, ... %)

Language python3 ▼

```
1 def Bin2Oct(n):
2     for i in n:
3         if i in '10':
4             continue
5         else:
6             return 'ERROR'
7     s = int(n,2)
8     return oct(s)[2:]
9
10 n = input()
11 print(Bin2Oct(n))
```

	Test	Input	Expected	Got	
✓	1	101	5	5	✓
✓	2	11010	32	32	✓

Passed all tests! ✓

Correct

Marks for this submission: 10.00/10.00.

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Correct  
Mark 10.00 out of 10.00

```
#include <stdio.h>
int main()
{
    int i = 1024;

    for (; i; i >>= 1)

        printf("Sudhir");

    return 0;
}
```

- Select one:
- ☐ a. Infinite Times
  - ☐ b. Error
  - ☐ c. 10
  - ☒ d. 11 ✓

Your answer is correct.  
The correct answer is: 11

Question **3**  
Correct  
Mark 1.00 out of 1.00

A loop statement is used where we needs to \_\_\_\_\_

- Select one:
- ☐ a. Check a condition
  - ☒ b. Repeat the statements ✓
  - ☐ c. Select one of many choices
  - ☐ d. Choose One from Two cases

Your answer is correct.  
The correct answer is: Repeat the statements

Question **4**  
Correct  
Mark 1.00 out of 1.00

What is the use of FOR loop?

- Select one:
- ☐ a. To Repeat the statement infinite number of times
  - ☐ b. To Repeat the statement Until any condition holds true
  - ☐ c. To Repeat the statement Until any condition holds False
  - ☒ d. To Repeat the statement finite number of times ✓

Your answer is correct.  
The correct answer is: To Repeat the statement finite number of times

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Correct

Mark 1.00 out of 1.00

Select one:

- ☐ a. execution will be terminated abruptly
- ☐ b. it is assumed to be present and taken to be false
- ☐ c. it result in a syntax error
- ☒ d. it is assumed to be present and taken to the true ✓

Your answer is correct.  
The correct answer is: it is assumed to be present and taken to the true

Question 6

Correct

Mark 1.00 out of 1.00

Predict the output of the above program?

```
#include<stdio.h>

int main()

{

    int n;

    for (n = 9; n!=0; n--)

        printf("n = %d", n--);

    return 0;

}
```

Select one:

- ☐ a. 9 7 5 3 1
- ☐ b. 9 7 5 3
- ☐ c. 9 8 7 6 5 4 3 2 1
- ☒ d. Infinite Loop ✓

Your answer is correct.  
The correct answer is: Infinite Loop



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Correct  
Mark 1.00 out of 1.00

```
#include <stdio.h>

#define EVEN 0

#define ODD 1

int main()

{

    int i = 3;

    switch (i & 1)

    {

        case EVEN: printf("Even");

                break;

        case ODD: printf("Odd");

                break;

        default: printf("Default");

    }

    return 0;

}
```

- Select one:
- ☐ a. Even
  - ☐ b. Default
  - ☒ c. Odd
  - ☐ d. Error

Your answer is correct.  
The correct answer is: Odd

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Correct

Mark 1.00 out of 1.00

```
#include<stdio.h>
int main()
{
    int i;
    if (printf("0"))
        i = 3;
    else
        i = 5;
    printf("%d", i);
    return 0;
}
```

Select one:

☐ a. 3

☒ b. 03

☐ c. 05

☐ d. 5

Your answer is correct.

The correct answer is: 03

Question 9

Incorrect

Mark 0.00 out of 1.00

Which of the following is correct with respect to “Jump Statements” in C?

Select one:

☐ a. break

☐ b. continue

☒ c. goto

☐ d. All the above

Your answer is incorrect.

The correct answer is: All the above

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Correct

Mark 1.00 out of 1.00

have the value

```
i=6720;
j=4;
while((i%j)==0)
{
    i=i/j;
    j=j+1;
}
```

Select one:

- ☐ a. 4
- ☐ b. 8
- ☐ c. 6720
- ☒ d. 9 ✓

Your answer is correct.

The correct answer is: 9

Question **11**

Correct

Mark 1.00 out of 1.00

What is the output of the Following Code?

```
#include<stdio.h>
int main()
{
    int i;
    for (i=0; i<10; ++i)
        printf("%d", i&1);
}
```

Select one:

- ☐ a. 1111111111
- ☒ b. 0101010101 ✓
- ☐ c. 0000000000
- ☐ d. 0111111111

Your answer is correct.

The correct answer is: 0101010101

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Correct

Mark 1.00 out of 1.00

Select one:

- ☐ a. about
- ☐ b. of
- ☒ c. in
- ☐ d. on

The correct answer is: in

Question 13

Incorrect

Mark 0.00 out of 1.00

He confided\_\_\_\_ me.

Select one:

- ☐ a. about
- ☐ b. of
- ☐ c. in
- ☒ d. on

The correct answer is: in

Question 14

Correct

Mark 1.00 out of 1.00

He is interested\_\_\_\_ history.

Select one:

- ☐ a. on
- ☐ b. of
- ☒ c. in
- ☐ d. about

The correct answer is: in

Question 15

Correct

Mark 1.00 out of 1.00

He looks upset, I think he took the criticism\_\_\_\_ heart.

Select one:

- ☐ a. of
- ☒ b. to
- ☐ c. about
- ☐ d. in

The correct answer is: to





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Correct  
Mark 1.00 out of 1.00

- Select one:
- ☐ a. on
  - ☐ b. about
  - ☒ c. at ✓
  - ☐ d. in

The correct answer is: at

Question **17**  
  
Correct  
Mark 1.00 out of 1.00

- I am envious\_\_\_\_ them.
- Select one:
- ☐ a. on
  - ☒ b. of ✓
  - ☐ c. in
  - ☐ d. about

The correct answer is: of

Question **18**  
  
Correct  
Mark 1.00 out of 1.00

- I am good\_\_\_\_ tennis.
- Select one:
- ☐ a. of
  - ☒ b. at ✓
  - ☐ c. about
  - ☐ d. in

The correct answer is: at

Question **19**  
  
Correct  
Mark 1.00 out of 1.00

- I am worried\_\_\_\_ the exam.
- Select one:
- ☐ a. in
  - ☐ b. of
  - ☐ c. on
  - ☒ d. about ✓

The correct answer is: about

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Correct  
Mark 1.00 out of 1.00

- Select one:
- ☐ a. in
  - ☒ b. of ✓
  - ☐ c. about
  - ☐ d. from

The correct answer is: of

Question **21**  
  
Correct  
Mark 1.00 out of 1.00

Please do not interfere\_\_\_\_\_ my personal affairs.

- Select one:
- ☒ a. in ✓
  - ☐ b. of
  - ☐ c. on
  - ☐ d. about

The correct answer is: in

Question **22**  
  
Correct  
Mark 1.00 out of 1.00

She cares\_\_\_\_\_ the environment.

- Select one:
- ☒ a. about ✓
  - ☐ b. of
  - ☐ c. on
  - ☐ d. in

The correct answer is: about

Question **23**  
  
Correct  
Mark 1.00 out of 1.00

She suffers\_\_\_\_\_ a heart disease.

- Select one:
- ☐ a. in
  - ☐ b. about
  - ☐ c. on
  - ☒ d. from ✓

The correct answer is: from

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Correct  
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- Select one:
- ☐ a. in
  - ☒ b. at ✓
  - ☐ c. about
  - ☐ d. of

The correct answer is: at

Question 25  
Incorrect  
Mark 0.00 out of 1.00

- They decided\_\_\_\_\_ the grey sofa.
- Select one:
- ☐ a. on
  - ☐ b. in
  - ☐ c. of
  - ☒ d. about ✗

The correct answer is: on

Question 26  
Correct  
Mark 1.00 out of 1.00

- We arrived\_\_\_\_\_ the station an hour late.
- Select one:
- ☐ a. about
  - ☐ b. of
  - ☐ c. in
  - ☒ d. at ✓

The correct answer is: at

Question 27  
Correct  
Mark 1.00 out of 1.00

- 84 Maths books, 90 Physics books and 120 Chemistry books have to be stacked topicwise. How many books will be there in each stack so that each stack will have the same height too ?
- Select one:
- ☒ a. 6 ✓
  - ☐ b. 21
  - ☐ c. 12
  - ☐ d. 18

The correct answer is: 6

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Correct  
Mark 1.00 out of 1.00

are as large as possible, then the maximum number of animals in each flock and total number of flocks required for the purpose are respectively

Select one:

☐ a. 15 and 228

☐ b. 9 and 380

☐ c. 46 and 75

☒ d. 45 and 76

The correct answer is: 45 and 76

Question **29**  
Correct  
Mark 1.00 out of 1.00

A fraction becomes  $\frac{1}{6}$  when 4 is subtracted from its numerator and 1 is added to its denominator. If 2 and 1 are respectively added to its numerator and the denominator, it becomes  $\frac{1}{3}$  . Then, the LCM of the numerator and denominator of the said fraction, must be

Select one:

☐ a. 350

☐ b. 14

☐ c. 5

☒ d. 70

The correct answer is: 70

Question **30**  
Correct  
Mark 1.00 out of 1.00

A gardener had a number of shrubs to plant in rows. At first he tried to plant 8,then 12 and then 16 in a row but he had always 3 shrubs left with him. On trying 7 he had none left. Find the total number of shrubs.

Select one:

☐ a. 137

☒ b. 147

☐ c. 154

☐ d. 150

The correct answer is: 147

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Correct  
Mark 1.00 out of 1.00

purpose?

Select one:

☒ a. 35cm

☐ b. 21cm

☐ c. 64cm

☐ d. 28cm

The correct answer is: 35cm

Question **32**  
Correct  
Mark 1.00 out of 1.00

Four bells commence tolling together and toll at the intervals of 3,9,12,15 seconds resp. In 60 minutes how many times they will toll together.

Select one:

☐ a. 24

☐ b. 30

☒ c. 21

☐ d. 20

The correct answer is: 21

Question **33**  
Correct  
Mark 1.00 out of 1.00

In a seminar the number of participants in Technology, Economics and Science are 150, 90 and 180 respectively. Find the minimum number of rooms required, where in each room the same number of participants are to be seated and all of them being in the same subject.

Select one:

☐ a. 32

☐ b. 27

☐ c. 25

☒ d. 30

The correct answer is: 30



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Select one:

- ☐ a. 5
- ☒ b. 4 ✓
- ☐ c. 3
- ☐ d. 2

The correct answer is: 4

Question **35**  
Correct  
Mark 1.00 out of 1.00

The HCF (GCD) of a, b is 12. a, b are positive integers and  $a > b > 12$ . The smallest values of (a, b) are respectively

Select one:

- ☐ a. 24, 12
- ☐ b. 24, 36
- ☒ c. 36, 24 ✓
- ☐ d. 12, 24

The correct answer is: 36, 24

Question **36**  
Correct  
Mark 1.00 out of 1.00

The product of the LCM and the HCF of two numbers is 24. If the difference of the numbers is 2, then the greater of the number is

Select one:

- ☒ a. 6 ✓
- ☐ b. 3
- ☐ c. 8
- ☐ d. 4

The correct answer is: 6

Question **37**  
Correct  
Mark 1.00 out of 1.00

The ratio of two numbers is 4 : 5 and their L.C.M. is 120. The numbers are

Select one:

- ☐ a. 30, 40
- ☒ b. 24, 30 ✓
- ☐ c. 40, 32
- ☐ d. 36, 20

The correct answer is: 24, 30

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Correct

Mark 1.00 out of 1.00

one type. What is the minimum number of rows required for this to happen ?

Select one:

- ☐ a. 6
- ☐ b. 9
- ☒ c. 10
- ☐ d. 12

The correct answer is: 10

Question 39

Correct

Mark 1.00 out of 1.00

Three numbers are in the ratio 2 : 3 : 4 and their H.C.F. is 12. The L.C.M. of the numbers is

Select one:

- ☐ a. 192
- ☒ b. 144
- ☐ c. 96
- ☐ d. 72

The correct answer is: 144

Question 40

Incorrect

Mark 0.00 out of 1.00

Three tankers contain 403 litres, 434 litres, 465 litres of diesel respectively. Then the maximum capacity of a container that can measure the diesel of the three containers exact number of times is

Select one:

- ☐ a. 31 litres
- ☒ b. 62 litres
- ☐ c. 84 litres
- ☐ d. 41 litres

The correct answer is: 31 litres



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Incorrect

Mark 0.00 out of 1.00

apples are left over from the first basket and 2 from the second.

Select one:

☐ a. 56

☒ b. 40 

✖

☐ c. 45

☐ d. 60

The correct answer is: 60

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