

TCS NINJA EXCEPTED TEST PAPERS-2018

The TCS test Sampus seasons will have four sections:

- 1) Section-1 **Quantitative Test**
- 2) Section-2 **Verbal Test (Test on Written English skills)**
- 3) Section-3 **Test on Programming Language Proficiency (based on 'C')**
- 4) Section-4 **Coding test (C Language)**

Question 1: How would you round off a value from 1.66 to 2.0?

- A. ceil (1.66)
- B. floor (1.66)
- C. roundup (1.66)
- D. Round to (1.66)

Answer: A

`/* Example for ceil() and floor() functions: */`

```
#include<stdio.h>
```

```
#include<math.h>
```

```
int main()
```

```
{
```

```
    printf("\n Result : %f" , ceil(1.44) );
```

```
    printf("\n Result : %f" , ceil(1.66) );
```

```
    printf("\n Result : %f" , floor(1.44) );
```

```
    printf("\n Result : %f" , floor(1.66) );
```

```
    return 0;
```

jntu fast result

```
}
```

```
// Output:
```

```
// Result : 2.000000
```

```
// Result : 2.000000
```

```
// Result : 1.000000
```

```
// Result : 1.000000
```

Question 2: What will be the output of the program?

```
#include<stdio.h>
```

```
int X=40;
```

```
int main()
```

```
{
```

```
    int X=20;
```

```
    printf("%d\n", X);
```

```
    return 0;
```

```
}
```

A.20

B.40

C.Error

D.No Output

Answer: A

Whenever there is conflict between a local variable and global variable, the local variable gets priority.

Question 3: A long double can be used if range of a double is not enough to accommodate a real number.

A. True

B. False

Answer: A

True, we can use long double; if double range is not enough.

Double = 8 bytes.

Long double = 10 bytes.

Question 4: A float is 4 bytes wide, whereas a double is 8 bytes wide.

A. True

B. False

Answer: A

True,

float = 4 bytes.

Double = 8 bytes.

Question 5: If the definition of the external variable occurs in the source file before its use in a particular function, then there is no need for an extern declaration in the function.

A. True

B. False

Answer: A

True, when a function is declared inside the source file, that function (local function) get a priority than the extern function. So there is no need to declare a function as extern inside the same source file

Question 6: If the definition of the external variable occurs in the source file before its use in a particular function, then there is no need for an extern declaration in the function.

A. True

B. False

Answer: A

True, When a function is declared inside the source file, that function (local function) get a priority than the extern function. So there is no need to declare a function as extern inside the same source file

Question 7: Size of short integer and long integer can be verified using the size of() operator.

A. True

B. False

Answer: A

True, we can find the size of short integer and long integer using the sizeof() operator.

Question 8: Range of double is $-1.7e-38$ to $1.7e+38$ (in 16 bit platform - Turbo C under DOS)

A. True

B. False

Answer: B

False, the range of double is $-1.7e-308$ to $1.7e+308$.

Question 9: Size of short integer and long integer would vary from one platform to another.

A. True

B. False

Answer: A

True, Depending on the operating system/compiler/system architecture you are working on, the range of data types can vary.

Question 10: Range of float is $-2.25e-308$ to $2.25e+308$

A. True

B. False

Answer: Option B

False, the range of float is $-3.4e-38$ to $3.4e+38$.