

- 1) A function is
- a) Block of statements to perform some specific task
 - b) It is a fundamental modular unit to perform some task
 - c) It has a name and can be used multiple times
 - d) All of the above

Answer: d

- 2) If an integer needs two bytes of storage, then the minimum value of a signed integer in C is
- a) $-(2^{16} - 1)$
 - b) 0
 - c) $-(2^{15} - 1)$
 - d) -2^{15}

Answer: d

- 3) Which of the following statements is correct?
- I. Keywords are those words whose meaning is already defined by Compiler.
 - II. Keywords cannot be used as variable names.
 - III. There are 32 keywords in C
 - IV. C keywords are also called reserved words.
- a) I and II
 - b) II and III
 - c) I, II and IV
 - d) All of the above

Answer: d

- 4) What will be the output?

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

```
int main() {
```

```
int x = 1, y = 3;
```

```
int t = x;
```

```
x = y;
```

```
y = t;
```

```
printf("%d %d", x, y);
```

```
return 0;
```

```
}
```

a) 1 3

b) 3 1

c) 1 1

d) 3 3

Answer: b

5) When executed the following code will print _____.

```
#include <stdio.h>
int main() {
    int sum = 3 + 6 / 2 + 6 * 2;
    printf("%d", sum);
    return 0;
}
```

Answer: 18

6) Which of the following are not standard header files in C?

- a) stdio.h
- b) conio.h
- c) string.h
- d) All are standard header file

Answer: d

7) What is the output of the following code?

```
#include<stdio.h>
#define fun(x) (x*x-x)
void main()
{
    float i;
    i = 37.0/fun(2);
    printf("%.2f", i);
}
```

Answer: 18.50

8) Which of the following is not a C variable?

- a) Var123
- b) Var_123
- c) 123Var
- d) X_123_Var

Answer: c

9) What is the output of the following program?

```
#include <stdio.h>
#define a 6
int main()
{
    int a=3;
    a = a+1;
    printf("%d", a);
    return 0;
}
```

- a) 6
- b) 3
- c) 4
- d) Compilation error

Answer: d

10) The following C program swaps the value of two numbers without using any third variable. What are the correct operations that need to be inserted inside the blanks?

```
#include <stdio.h>
int main()
{
    int a=2, b=3;
    printf("The values before swapping a = %d, b=%d", a, b);
    _____; _____; _____;
    printf("The values after swapping a = %d, b=%d", a, b);
    return 0;
}
```

- a) a=a-b; b=a-b; a=a+b;
- b) a=a%b; b=a+b; a=a/b;
- c) a=a+b; b=a-b; a=a-b;
- d) None of the above

Answer: c