

PSPD QUIZ-2024 (CSE 3941)

Programme: B.Tech.
Full marks: 10
Date: 28/09/2024

Semester: 5th
Time: $\frac{1}{4}$ hours
Quiz No.: 1

SET: A

1. Which of the following correctly defines a function prototype?

- (A) `int myFunction(int, float);`
- (B) `void myFunction(int, float) {}`
- (C) `myFunction(int, float);`
- (D) `int myFunction;`

2. What is the result of $83 / 7$ in C?

- (A) 11.85
- (B) 11.86
- (C) 11
- (D) None of these

3. Which of the following is a valid use of the switch statement?

- (A) It can only handle integer types.
- (B) It must always have a default case.
- (C) It can be used to evaluate expressions of any data type.
- (D) Each case must be a constant expression.

4. Which of the following correctly describes the behavior of the logical OR operator (`||`)?

- (A) It returns true only if both operands are true.
- (B) It returns false if at least one operand is false.
- (C) It returns true if at least one operand is true.
- (D) It cannot be used in conditional statements.

5. What will be the value of A and B in the given expression?

`A = 2 > 5 : 10 ? 20;`

`B = 2 < 5 != 0 ? 5 > 8 != 1 ? 10 : 20 : 30;`

- (A) 20 10
- (B) 10 20
- (C) 20 30
- (D) None of these

6. What will be the output of the following code?

```
#include <stdio.h>
int main() {
    int num=0;
    float f = 0.1;
    while (f != 1.0) {
        f += 0.1;
        num++;
    }
    printf("%d", num);
    return 0;
```

Output: _____

7. What would be the output of following program?

```
#include <stdio.h>
int main() {
    int a;
    char c;
    printf("%d%d%d", sizeof(a), sizeof(c),
        sizeof('3'), sizeof(3));
}
*Hints: size of int = 4 bytes, size of
character = 1 byte.
```

- (A) 4144
- (B) 4444
- (C) 4114
- (D) None of these

8. What is the output of the following program?

```
#include <stdio.h>
int main() {
    int a,b;
    a= 2>5!=0 && 5<8!=1;
    b=2<5!=2>5 || 8 < 2 ==2<5;
    printf("%d%d",a,b);
    return 0;
}
```

- (A) 00
- (B) 01
- (C) 10
- (D) 11

9. What will this code output?

```
#include <stdio.h>

int main() {
    int i;
    for (i = 1; i <= 10; i++) {
        if (i % 2 == 0) {
            continue;
        }
        if (i == 7) {
            break;
        }
        printf("%d ", i);
    }
    return 0;
}
```

Output: _____

10. What is the output of the following code?

```
#include <stdio.h>
int main(){
    int a = 2, b = 3, c = 4, result;
    result = a + b * c / b - c % a;
    printf("%d", result);
}
```

Output: _____