

**Pseudocode Questions file 1**

**Dated 18-10-2025**

**Q1. What will be the output?**

```
int main()
{
    int result = 10 > 5 ? 20 : 30;
    result = result > 25 ? 100 : 200;
    printf("%d", result);
    return 0;
}
```

- A) 200
- B) 100
- C) 20
- D) 30

**Q2. What will be the output?**

```
int main()
{
    int i = 1;
    while(i <= 3)
    {
        printf("%d ", i);
        if(i == 2) break;
        i++;
    }
    printf("End");
    return 0;
}
```

- A) 1 2 3 End
- B) 1 2 End
- C) 1 End
- D) 1 2 End

**Q3. What will be the output?**

```
int main()
{
    int arr[] = {10, 20, 30, 40};
    printf("%d", *(arr + 2) + *(arr + 1));
    return 0;
}
```

- A) 60
- B) 50
- C) 30
- D) 70

**Q4. What will be the output?**

```
int main()
{
    printf("Size: %d %d %d", sizeof('A'), sizeof("A"), sizeof(char));
    return 0;
}
```

- A) Size: 1 2 1
- B) Size: 4 2 1
- C) Size: 1 1 1
- D) Size: 4 4 1

**Q5. What will be the output after three function calls?**

```
int getValue()
{
    static int value = 10;
    return value--;
}

int main()
{
    printf("%d ", getValue());
    printf("%d ", getValue());
    printf("%d", getValue());
    return 0;
}
```

A) 10 10 10

B) 10 9 8

C) 10 9 8

D) 9 8 7

**Q6. What will be the output?**

```
int main()
{
    int a = 13, b = 7;
    printf("%d", a | b); // Bitwise OR
    return 0;
}
```

A) 20

B) 15

C) 6

D) 91

**Q7. What will be the output?**

```
int main()
{
    int num;
    for(num = 1; num <= 10; num++)
    {
        if(num % 3 == 0) continue;
        if(num > 7) break;
        printf("%d ", num);
    }
    return 0;
}
```

- A) 1 2 4 5 7
- B) 1 2 4 5 6 7
- C) 1 2 4 5
- D) 1 2 3 4 5 6 7

**Q8. What will be the output?**

```
int main()
{
    printf("%d", printf("%d", printf("%d", 1)));
    return 0;
}
```

- A) 1
- B) 111
- C) 121
- D) 111

**Q9. What will be the output?**

```
int main()
{
    int x = 9, y = 4;
    float result = x / y + x % y;
    printf("%.1f", result);
    return 0;
}
```

- A) 3.25
- B) 3.0
- C) 3.1
- D) 3.0

**Q10. What will be the output?**

```
int main()
{
    int num = 15;
    printf("%d", num << 2); // Left shift
    return 0;
}
```

A) 30

B) 60

C) 7

D) 17

**Q11. What will be the final value of product?**

```
int main()
{
    int product = 1, i;
    for(i = 2; i <= 4; i++)
    {
        product *= i;
    }
    printf("%d", product);
    return 0;
}
```

A) 24

B) 6

C) 8

D) 12

**Q12. What storage duration does this variable have?**

```
void function()  
{  
    extern int global_var; // What is the storage duration?  
    global_var = 100;  
}
```

- A) Automatic storage duration
- B) Static storage duration
- C) Static storage duration (refers to global variable)
- D) No storage duration

**Q13. What will be the output?**

```
#include <string.h>  
  
int main()  
{  
    char str[] = "Programming";  
    printf("%d", str[3] - str[0]);  
    return 0;  
}
```

- A) 3
- B) 6
- C) 7
- D) 15

**Q14. What is the type of the expression?**

```
int main()
{
    double num1 = 15.75;
    int num2 = 4;
    printf("%.2f", num1 / num2);
    return 0;
}
```

- A) 3.94
- B) 3.00
- C) 4.00
- D) 3.75

**Q15. What will be the output?**

```
int main()
{
    int value = 2;
    switch(value * 2) {
        case 2: printf("Two"); break;
        case 4: printf("Four"); break;
        case 6: printf("Six"); break;
        default: printf("Other");
    }
    return 0;
}
```

- A) Two
- B) Four
- C) Four
- D) Other

