

PSP MCQ Set 10

1. What will be the output of the following C code?

```
#include <stdio.h>
void main()
{
int x = 1, y = 0, z = 5;
int a = x && y || z++;
printf("%d", z);
}
```

- (a) 6
- (b) 5
- (c) 0
- (d) Varies

Ans: (a)

2. What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
int x = 1, y = 0;
x > y ? printf("%d", x) : printf("%d", y);
}
```

- (a) 3
- (b) 1
- (c) Compile time error
- (d) Run time error

Ans: (b)

3. What will be the output of the following C code?

```
#include <stdio.h>
void main()
{
int x = 1, z = 3;
int y = x << 3;
printf(" %d\n", y);
}
```

- (a) -2147483648
- (b) -1

- (c) Run time error
- (d) 8

Ans: (d)

4. What will be the output of the following C code?

```
#include <stdio.h>
void main()
{
int x = 0, y = 2, z = 3;
int a = x & y | z;
printf("%d", a);
}
```

- (a) 3
- (b) 0
- (c) 2
- (d) Run time error

Ans: (a)

5. Do logical operators in the C language are evaluated with the short circuit?

- (a) True
- (b) False
- (c) Depends on the compiler
- (d) Depends on the standard

Ans: (a)

6. What is the result of logical or relational expression in C?

- (a) True or False
- (b) 0 or 1
- (c) 0 if an expression is false and any positive number if an expression is true
- (d) None of the mentioned

Ans: (b)

7. Which among the following is NOT a logical or relational operator?

- (a) !=
- (b) ==
- (c) ||
- (d) =

Ans: (d)

8. What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
int a = 1, b = 1, c;
c = a++ + b;
printf("%d, %d", a, b);
}
```

- (a) a = 1, b = 1
- (b) a = 2, b = 1
- (c) a = 1, b = 2
- (d) a = 2, b = 2

Ans: (b)

9. The comma operator (,) is primarily used in conjunction with:

- a. FOR statement.
- b. IF-ELSE statement.
- c. DO-While statement.
- d. All of above.

Ans: a

10. In the following program fragment, s and b are two integers:

b = s + b

s = b - s

b = b - s

What does it intend to do?

- a) Exchange the values of s and b
- b) Transfer the values of s and b
- c) Transfer the values of b and s
- d) Add or subtract the values of s and b

Ans: a

11. Study the following statement

```
printf ("%d", 9/5);
```

What will be the output of this statement?

- a) 1.8
- b) 1.0
- c) 2.0
- d) None of the these

Ans: d

12. Who defines the user-defined function?

- a. Compiler
- b. Computer
- c. Compiler library
- d. Users

Ans: d

13. Which of the following functions is already declared in the "header file"?

- a. User-define function
- b. Built-in function
- c. C function
- d. None of the these

Ans: b

14. Study the following program:

```
main ()  
{  
    if(5 < '5')  
        printf("5")
```

```
else  
    printf("Not equal to 5.")  
}
```

What will be the output of this program?

- a) ENQ
- b) 5
- c) I
- d) Not equal to 5

Ans: b

15. Which of the following can replace a simple if-else construct?

- (A) Ternary operator
- (B) while loop
- (C) do-while loop
- (D) for loop

Ans: A

16. What is the effect of writing a break statement inside a loop?

- (A) It cancels remaining iterations.
- (B) It skips a particular iteration.
- (C) The program terminates immediately.
- (D) Loop counter is reset.

Ans: A

17. Which of the following are fundamental file processing operations?

- a) fopen
- b) fclose
- c) Both A and B
- d) None of the above

Ans: C

18. EOF means

- (a) End Of File
- (b) End for file
- (c) File end
- (d) None of the above

Ans: A

19. What is the value of EOF?

- (a) 0
- (b) -1
- (c) 1
- (d) Null

Ans: B

20. FILE * fp; in this FILE is of type

- (a) Integer type
- (b) Character type
- (c) Struct type
- (d) None of the above

Ans: C