

### PSP MCQ Set 1

1. C was primarily developed as

- a) Data processing language
- b) General purpose language
- c) System programming language
- d) None of the above.

Ans: c

2. \_\_\_\_\_ can operate on batteries and hence are very popular with travelers.

- a) Mainframes
- b) Laptops
- c) Microprocessors
- d) Hybrid

Ans: b

3. C programs are converted into machine language with the help of

- A. An Editor
- B. A compiler
- C. An operating system
- D. None of these.

Ans: B

4. The \_\_\_\_\_ provides pictorial representation of given problem.

- A. Algorithm
- B. Flowchart
- C. Pseudo code
- D. All of these

Ans: b

5. Actual instructions in flowcharting are represented in \_\_\_\_\_

- a) Circles
- b) Boxes
- c) Arrows
- d) Lines

Ans: b

6. Which of the following is not an advantage of a flowchart?

- a) Better communication
- b) Efficient coding
- c) Systematic testing
- d) Improper documentation

Ans: d

7. The operation represented by parallelograms.

- a) Input/Output
- b) Assignment
- c) Comparison
- d) Conditions

Ans: a

8. A computer that operates on digital data.

- a) remote
- b) hybrid
- c) analog
- d) digital

Ans: d

9. int main()

```
{  
  
    int a = 10.5;  
  
    printf("%d",a);  
  
    return 0;  
  
}
```

- (A) 10.5
- (B) 10
- (C) 0
- (D) Compilation Error

Answer: B

10. Which of the following is branching statement of C language?

- A. if statement
- B. if...else statement
- C. switch statement
- D. All of these

ANSWER: D

11. \_\_\_\_\_ is the built in multiway decision statement in C.

- A. for
- B. switch
- C. if
- D. while

ANSWER: B

12. . What is the output of C Program.?

```
int main()
{
    int a=32;

    do
    {
        printf("%d ", a);
        a++;
    }while(a <= 30);

    return 0;
}
```

- A) 32
- B) 33
- C) 30
- D) No Output

Answer: A

13. What will be the output of the following program?

```
#include<stdio.h>
int main()
{
    int a=300, b, c;
    if(a>=400)
        b=300;
    c=200;
    printf("%d%d\n", b, c);
    return 0;
}
```

- a. Garbage value, Garbage value
- b. 300, 200
- c. 200, 300
- d. Garbage value, 200

Answer: d

14. If switch feature is used, then

- A. Default case must be present
- B. Default case, if used, should be the last case
- C. Default case, if used, can be placed anywhere
- D. None of the above

Answer : C

15. What will be the output of the program in 16 bit platform ?

```
#include<stdio.h>

int main()
{

    int a=2, b=1, c=2;

    switch(a)
    {

        case b:

            printf("You are in b ");

            break;

        case c:

            printf("You are in c ");

            break;

        default:printf("You are in default");

    }

    return 0;

}
```

- A. You are in b
- B. You are in c
- C. You are in default
- D. Compilation Error

Answer: D

16. What will be the output of the program?

```
int a=2,b=2;

if(a!=0)

    b=0;
```

else

```
b*=10;
```

```
printf("%d",b);
```

- A. 0
- B. 20
- C. 2
- D. None of the above

Answer: A

17. Which of the following function is appropriate for reading a multi-word string?

- A. printf()
- B. scanf()
- C. gets()
- D. puts()

Ans: C

18. What will strcmp() function do?

- A. compares the first n characters of the object
- B. undefined function
- C. copies the string
- D. compares the string

Ans: D

19. What is a String in C Language?

- A. String is a new Data Type in C
- B. String is an array of Characters with null character as the last element of array
- C. String is an array of Characters with null character as the first element of array
- D. String is an array of Integers with 0 as the last element of array

Ans: B

20. What is the Format specifier used to print a String or Character array in C Printf or Scanf function?

- A. %c
- B. %C
- C. %s
- D. %w

Ans: C