

## C APTITUDE QUESTIONS

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### Q1. Mark the output of the given arithmetic expression-

$5+3*2\%10-8*6$

- a) -42
- b) -37
- c) -28
- d) -32

### Q2. Mark the output of the statement-

```
int a=10; printf("%d &i",a,10);
```

- a) 10
- b) 10 10
- c) Error
- d) None of these

### Q3. The output of the following statement-

```
printf("%X%x%ci%x",11,10,'s',12);
```

- a) error
- b) Bas94c
- c) basc
- d) none of these

### Q4. Output of the following statement-

```
int a = 4, b = 7, c; c = a == b; printf("%i", c);
```

- a) 0
- b) 1

- c) error
- d) garbage value

**Q 5. Output of the given statements-**

int a = 5, b = 2, c = 10, i = a>b

```
void main()
{
    printf("hello");
}
```

- a) 1
- b) 2
- c) 3
- d) infinite number of times

**Q6. Output of the given statement-**

int x[3] = {0,1,2}; printf("%d %d %D",x[2], x[1], x[0]);

- a) 000
- b) 210
- c) 021
- d) 02%D

**Q7. Output of the given statement-**

printf( 3 + "goodbye");

- a) dbye
- b) odbye

c) bye

d) goodbye

**Q8. Output of the following statement-**

```
long int a = scanf("%ld%ld", &a, &a);
```

```
printf("%ld", a);
```

a) error

b) 2

c) 0

d) garbage value

**Q9. Output of the following program-**

```
#include
```

```
void main()
```

```
{
```

```
    int a = 2;
```

```
    switch(a)
```

```
{
```

```
    case 1:
```

```
        printf("goodbye"); break;
```

```
    case 2:
```

```
        continue;
```

```
    case 3:
```

```
        printf("bye");
```

```
}
```

```
}
```

a) bye

b) goodbye

- c) byegoodbye
- d) error

**Q10. Output of the following statement-**

```
int i = 1, j;
```

```
j=i---2;
```

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

- a) 2
- b) -3
- c) 3
- d) error

**Q11. Mark the output of following program-**

```
#include
main()
{
    int x, y = 10;
    x = y * NULL;
    printf("%d", x);
}
```

- a) 10
- b) 0
- c) error
- d) garbage value

**Q12. Mark the output of following statement-**

```
char x[ ] = "hello hi"; printf("%d%d", sizeof(*x), sizeof(x));
```

- a) 29
- b) 18
- c) 88
- d) 19

**Q13. Mark the output of the following statement-**

```
void
main()
```

```
{  
    int a=10, b=20;  
  
    char x=1, y=0;  
  
    if(a, b, x, y)  
    {  
        printf("MONK");  
    }  
}
```

- a) MONK
- b) ONK
- c) Compilation Error
- d) No Output

**Q14. Mark the output of the following statement-**

```
int i = 3;  
  
printf("%d%d", i, i++);  
  
a) 34  
b) 44  
c) 43  
d) 33
```

**Q15. Mark the output of statement 7.5 % 3-**

- a) 1.5
- b) 1
- c) No output

d) Error

**Q16. The three standard files which can be accessed by any program in C language are-**

a) Standard error file, standard output file, standard input file

b) stdin, stderr, stdout

c) Keywords, stderr, screen

d) All of above

e) None of above

**Q.17 What is an identifier in C language?**

a) Name of thing say variable or function

b) Made up of letters, numerals and the underscore sign

c) Contain both uppercase and lowercase letters

d) All of above

**Q.18 Which is the single character input/output functions-**

a) scanf( ) and printf( )

b) getchar( ) and putchar( )

c) getchar( ) and printf( )

d) scanf( ) and putchar( )

**Q19. The operator determining the Precedence-**

a) Evaluated first

b) is most important

c) is fastest

d) Operates on the largest number

**Q20. The operators && and || are named as-**

a) Arithmetic operators

b) Logical operators

c) Equality operators

d) Relational operators

**Q21. Give the output of following C language code-**

```
#include <stdio.h>
void main()
{
    int k = 8;
    int x = 0 == 1 && k++;
    printf("%d%d\n", x, k);
}
```

- a) 0 9
- b) 0 8
- c) 1 9
- d) 1 8

**Q22. Give the output of following C language code-**

```
#include <stdio.h>
void main()
{
    1 < 2 ? return 1: return 2;
}
```

- a) returns 1
- b) Varies
- c) returns 2
- d) Compilation time error

**Q23. Give the output of following C language code-**

```
#include <stdio.h>
int main()
{
    int x = 2, y = 1;
    x *= x + y;
    printf("%d\n", x);
    return 0;
}
```

- a) 6

- b) 5
- c) Undefined behaviour shown
- d) Compilation time error

**Q24. Give the output of following C language code-**

```
#include <stdio.h>
int main()
```

```
{
    int x = 2, y = 2;
    x /= x / y;
    printf("%d\n", x);
    return 0;
}
```

- a) 2
- b) 0.5
- c) 1
- d) Undefined behaviour shown

**Q25. Give the output of following C language code-**

```
main()
```

```
{
char *p;
int *q;
long *r;
p=q=r=0;
p++;
q++;
r++;
printf("%p...%p...%p", p, q, r);
}
```

**Q26. Give the output of following C language code-**

```
main()
{
    int c[ ]={2.8,3.4,4,6.7,5};
    int j,*p=c,*q=c;
    for(j=0;j<5;j++)
    {
        printf(" %d ",*c);
```

```
    ++q;  
}  
for(j=0;j<5;j++)  
  
{  
printf(" %d ",*p);  
++p;  
}  
}
```

**Q28. Give the output of following C language code-**

```
main()  
{  
extern int i;  
i=20;  
printf("%d",i);  
}
```

**Q29. Give the output of following C language code-**

```
void main()  
{  
int const * p=5;  
printf("%d",++(*p));  
}
```

**Q30. Give the output of following C language code-**

```
main()  
{  
int c=- -2;  
printf("c=%d",c);  
}
```