

Technical Questions

1. What is false about the following `□ A compound statement is`
 - (a) A set of simple statements
 - (b) Demarcated on either side by curly brackets
 - (c) Can be used in place of simple statement
 - (d) A C function is not a compound statement.
2. Write one statement equivalent to the following two statements `x=sqr(a); return(x);` Choose from one of the alternatives
 - (a) `return(sqr(a));`
 - (b) `printf("sqr(a)");`
 - (c) `return(a*a*a);`
 - (d) `printf("%d",sqr(a));`
3. What is the value of `y` in the following code? `x=7; y=0; if(x=6) y=7; else y=1;`
 - (a) 7
 - (b) 0
 - (c) 1
 - (d) 6
4. What does the following function print? `func(int i){if(i%2)return 0; else return 1;}main(){int =3; i=func(i); i=func(i); printf("%d",i); }`
 - (a) 3
 - (b) 1
 - (c) 0
 - (d) 2
5. How does the C compiler interpret the following two statements `p=p+x; q=q+y;`
 - (a) `p=p+x; q=q+y`
 - (b) `p=p+xq=q+y`
 - (c) `p=p+xq;`
 - (d) `q=q+y`

Verbal Reasoning Questions

1. Effrontery : Extreme rudeness and lack of ability to understand that your behavior is not acceptable to other people.
2. Voluble : Speaking a lot, with confidence and enthusiasm.
3. Terse : Using few words, sometimes in a way that seems rude or unfriendly.
4. Wily : (of a person) clever, having a very good understanding of situations, possibilities and people, and often willing to use tricks to achieve an aim:- a wily politician
5. Antithesis : the exact opposite.

Quantitative Aptitude questions

1. If n is the sum of two consecutive odd integers and less than 100, what is greatest possibility of n ?

- (a) 98
- (b) 94
- (c) 96
- (d) 99

Answer : c

2. There are 4 boxes colored red, yellow, green and blue. If 2 boxes are selected, how many combinations are there for at least one green box or one red box to be selected?

- (a) 1
- (b) 6
- (c) 9
- (d) 5

Answer: d

3. In base 7, a number is written only using the digits 0, 1, 2, ..., 6. The number 135 in base 7 is $1 \times 7^2 + 3 \times 7 + 5 = 75$ in base 10. What is the sum of the base 7 numbers 1234 and 6543 in base 7.

- (a) 11101
- (b) 11110
- (c) 10111
- (d) 11011

Answer: b

4. A, B, C and D go for a picnic. When A stands on a weighing machine, B also climbs on, and the weight shown was 132 kg. When B stands, C also climbs on, and the machine shows 130 kg. Similarly the weight of C and D is found as 102 kg and that of B and D is 116 kg. What is D's weight

- (a) 58kg
- (b) 78 kg
- (c) 44 kg
- (d) None

Answer : c

5. In a rectangular coordinate system, what is the area of a triangle whose vertices whose vertices have the coordinates (4,0), (6, 3) and (6, -3)

- (a) 6
- (b) 7
- (c) 7.5
- (d) 6.5

Answer: a

6. Two full tanks one shaped like the cylinder and the other like a cone contain liquid fuel the cylindrical tank held 500 lts more than the conical tank After 200 lts of fuel is pumped out from each tank the cylindrical tank now contains twice the amount of fuel in the conical tank How many lts of fuel did the cylindrical tank have when it was full?

- (a) 1000
- (b) 1500
- (c) 1200
- (d) 1800

Answer: c

7. If $f(1)=4$ and $f(x+y)=f(x)+f(y)+7xy+4$, then $f(2)+f(5)=?$

- (a) 120
- (b) 60
- (c) 150
- (d) 125

Answer: d

8 If $f(f(n))+f(n)=2n+3$ and $f(0)=1$, what is the value of $f(2012)$?

- (a) 2011
- (b) 2012
- (c) 2013
- (d) 4095

Answer: c

9. A two digit number is 18 less than the sum of the squares of its digits. How many such numbers are there?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Answer: b

10. Find the number of ways a batsman can score a double century only in terms of 4's & 6's?

- (a) 15
- (b) 16
- (c) 17
- (d) 19

Answer: c