

1. Three beauty pageant finalists-Cindy, Amy and Linda-The winner was musician. The one who was not last or first was a math major. The one who came in third had black hair. Linda had red hair. Amy had no musical abilities. Who was first?

- (A) Cindy (B) Amy (C) Linda (D) None of these

2. Two twins have certain peculiar characteristics. One of them always lies on Monday, Wednesday, Friday. The other always lies on Tuesdays, Thursday and Saturdays. On the other days they tell the truth. You are given a conversation.

Person A- today is Sunday, my name is Anil

Person B-today is Tuesday, my name is Bill

What day is today?

- (A) Sunday (B) Tuesday (C) Monday (D) Thursday

3. The difference of a number and its reciprocal is $\frac{1}{2}$. The sum of their squares is

- (A) $\frac{9}{4}$ (B) $\frac{4}{5}$ (C) $\frac{5}{3}$ (D) $\frac{7}{4}$

4. The difference of a number and its square is 870. What is the number?

- (A) 42 (B) 29 (C) 30 (D) 32

5. A trader has 100 Kg of wheat, part of which he sells at 5% profit and the rest at 20% profit. He gains 15% on the whole. Find how much is sold at 5% profit?

- (A) 60 (B) 50 (C) 66.66 (D) 33.3

6. Which of the following points are collinear?

- (A) (3,5) (4,6) (2,7) (B) (3,5) (4,7) (2,3)
(C) (4,5) (4,6) (2,7) (D) (6,7) (7,8) (2,7)

7. A man leaves office daily at 7pm. A driver with car comes from his home to pick him from office and bring back home. One day he gets free at 5.30 and instead of waiting for driver he starts walking towards home. In the way he meets the car and returns home on car. He reaches home 20 minutes earlier than usual. In how much time does the man reach home usually?

- (A) 1 hr 20 min (B) 1 hr (C) 1 hr 10 min (D) 55 min

8. If $m:n = 2:3$, the value of $\frac{3m+5n}{6m-n}$ is

- (A) $\frac{7}{3}$ (B) $\frac{3}{7}$ (C) $\frac{5}{3}$ (D) $\frac{3}{5}$

9. A dog taken four leaps for every five leaps of hare but three leaps of the dog is equal to four leaps of the hare. Compare speed?

- (A) 12:16 (B) 19:20 (C) 16:15 (D) 10:12

10. A watch ticks 90 times in 95 seconds. And another watch ticks 315 times in 323 secs. If they start together, how many times will they tick together in first hour?

- (A) 100 times (B) 101 times (C) 99 times (D) 102 times

11. The purpose of defining an index is

- (A) Enhance Sorting Performance (B) Enhance Searching Performance
(C) Achieve Normalization (D) All of the above

12. A transaction does not necessarily need to be

- (A) Consistent (B) Repeatable (C) Atomic (D) Isolated

13. To group users based on common access permission one should use
(A) User Groups (B) Roles (C) Grants (D) None of the above
14. PL/SQL uses which of the following
(A) No Binding (B) Early Binding (C) Late Binding (D) Deferred Binding
15. Which of the constraint can be defined at the table level as well as at the column level
(A) Unique (B) Not Null (C) Check (D) All the above
16. To change the default date format in a SQLPLUS Session you have to
(A) Set the new format in the DATE_FORMAT key in the windows Registry.
(B) Alter session to set NLS_DATE-FORMAT.
(C) Change the Config.ora File for the date base.
(D) Change the User Profile USER-DATE-FORMAT.
17. Which of the following is not necessarily an advantages of using a package rather than independent stored procedure in data base.
(A) Better performance. (B) Optimized memory usage.
(C) Simplified Security implementation. (D) Encapsulation.
18. Integrity constrains are not checked at the time of
(A) DCL Statements. (B) DML Statements.
(C) DDL Statements. (D) It is checked all the above cases.
19. Roll Back segment is not used in case of a
(A) DCL Statements. (B) DML Statements. (C) DDL Statements. (D) all of the above.
20. An Arc relationship is applicable when
(A) One child table has multiple parent relation, but for anyone instance of a child record only one of the relations is applicable.
(B) One column of a table is related to another column of the same table.
(C) A child table is dependent on columns other than the primary key columns of the parent table.
(D) None of the above.
21. What is true about the following C functions?
(A) Need not return any value. (B) Should always return an integer.
(C) Should always return a float. (D) Should always return more than one value.
22. enum number { a=-1, b=4, c,d,e,} what is the value of e?
(A) 7 (B) 4 (C) 5 (D) 3
23. Which of the following about automatic variables within a function is correct?
(A) Its type must be declared before using the variable. (B) They are local.
(C) They are not initialized to zero. (D) They are global.
24. Consider the following program segment
int n, sum=5;

```

switch(n)
{
    case 2:sum=sum-2;
    case 3:sum*=5;
    break;
    default:sum=0;
}

```

if n=2, what is the value of the sum?

- (A) 0 (B) 15 (C) 3 (D) None of these.

25. Which of the following is not an infinite loop?

- (A) x=0;
do{
 /*x unaltered within the loop*/
 }
While(x==0);
- (B) # define TRUE 0....
While(TRUE){}
- (C) for(;;) {}
- (D) While(1) {}

26. Output of the following program is

```

main()
{
    int i=0;
    for(i=0;i<20;i++)
    {
        switch(i){
            case 0:
                i+=5;
            case 1:
                i+=2;
            case 5:
                i+=5;
            default:
                i+=4;
            break;
        }
    }
}

```

- (A) 5,9,13,17 (B) 12,17,22 (C) 16,21 (D) syntax error.

27. What does the following function print?

```

func(int i)
{
    if(i%2) return 0;
    else return 1;
}
main()
{
    int i=3;
    i=func(i);
    i=func(i);
}

```

```

        printf("%d",i);
    }

```

(A) 3 (B) 1 (C) 0 (D) 2

28. What will be the result of the following program?

```

char*g()
{
    static char x[1024];
    return x;
}
main()
{
    char*g1="First String";
    strcpy(g(),g1);
    g1=g();
    strcpy(g1,"Second String");
    printf("Answer is:%s", g());
}

```

(A) Answer is: First String (B) Answer is: Second String
 (C) Run time Error/Core Dump (D) None of these

29. Consider the following program

```

main()
{
    int a[5]={ 1,3,6,7,0};
    int *b;
    b=&a[2];
}

```

The value of b[-1] is

(A) 1 (B) 3 (C) -6 (D) none

30. Given a piece of code

```

int x[10];
int *ab;
ab=x;

```

To access the 6th element of the array which of the following is incorrect?

(A) *(x+5) (B) x[5] (C) ab[5] (D) *(*ab+5) .