1. Which symbol is used to indicate output?

*( Choose one )*

Diamond

Rectangle

Circle

Parallelogram

2. "All the records of a file have to be processed", which algorithm construct this follows:

*( Choose one )*

Sequential

Conditional

Iterative

All of the above

3. A return statatement should be written in every function.

*( Choose one )*

Yes

No

4. A step-by-step procedure in english like language to solve a problem is called as :

*( Choose one )*

Flow-chart

Pseudo-code

Algorithm

None of the above

5. Keyword used to transfer control from function to calling function

*( Choose one )*

goback

exit

break

return

6. main()  
{  
char c = 'a';  
int sum ;  
sum = c+1;  
printf("%d\n",sum) }

*( Choose one )*

97

98

65

66

7. Which of the following is a multiple select construct

*( Choose one )*

If else

Switch

For

While

8. Linked Lists are not flexible in terms of addition/deletion of nodes as opposed to arrays (State True/False)

*( Choose one )*

TRUE

FALSE

9. Sc A:  
void light(int time){}  
int light(int time ,int speed){return time \* speed}  
Sc B:  
void motion(int time){}  
void motion(int time){}  
  
Given the following pairs of method declaration which statements are true

*( You can choose multiple options )*

The Sc A method will be compiled and overload method named light

The Sc A pair of method will not be compiled

The Sc B method will be compiled and overload method named motion

The Sc B method wil not compile

10.   
Void func1(){  
int x = 5;  
{  
 static int x = 5;  
x++;  
printf x;  
}  
}  
int main(){  
func1();  
func1();  
func1();  
return 0;  
}

*( Choose one )*

compilation error

run time error

666,678, error

120,121,122

11. Functions are resolved at compile time in oops

*( Choose one )*

TRUE

FALSE

12. Which of the following data structure does not have the linear relationship between predecessor and successor

*( Choose one )*

linked list

stack

Queue

tree

13. Here is the structure of the customers table  
CUSTOMERS(Cust\_name,Cust\_DOB,Cust\_Gender,Cust\_city,Cust\_Credit\_Limit)  
  
Using the CUSTOMERS table, you need to generate a report that shown the average credit limit for customers in WASHINGTON and NEW YORK.  
  
Which SQL statement would produce the required result?

*( Choose one )*

SELECT cust\_city, AVG(cust\_credit\_limit)  
FROM customers  
WHERE cust\_city IN ('WASHINGTON','NEW YORK')  
GROUP BY cust\_credit\_limit, cust\_city;

SELECT cust\_city, AVG(cust\_credit\_limit)  
FROM customers  
WHERE cust\_city IN ('WASHINGTON','NEW YORK')  
GROUP BY cust\_city,cust\_credit\_limit;

SELECT cust\_city, AVG(cust\_credit\_limit)  
FROM customers  
WHERE cust\_city IN ('WASHINGTON','NEW YORK')  
GROUP BY cust\_city;

SELECT cust\_city, AVG(NVL(cust\_credit\_limit,0))  
FROM customers  
WHERE cust\_city IN ('WASHINGTON','NEW YORK');

14. DROP table sales;  
  
what happens when You exit sqplus without committing

*( Choose one )*

Gives an error

It Drops the sales table permanently

Drop will be rolledback

It Drops the sales table temporarily

15. In relation R(A, B, C, D), AB -> C, B -> D are dependencies.Identify the primary key of the relation

*( Choose one )*

A

AB

ABC

ABCD

16. What do you find wrong in the below piece of code  
….  
<p  id=”someparagraph” class=”someclass” >hello there </p>  
<p  id=”someparagraph2” class=”someclass”  >hello there second paragraph</p>  
…

*( Choose one )*

id and class are same between both the paragraphs. Cannot use the same twice

id is same between both the paragraphs. Cannot use the same id twice

Nothing wrong. Should be OK

None of the above

17. var a = 5;  
var b = 5+’5’;  
alert(b);  
  
The above code results in

*( Choose one )*

an alert box showing 55

an alert box showing 10

and alert box showing 5’5’

error

18. Protocols specific such as IPV4 is part of the \_\_\_\_\_\_\_ Layer

*( Choose one )*

Network layer

Application layer

Transport layer

Hardware layer

19. HTTP Connection method in which the data is visible on the browser is

*( Choose one )*

PUT

HEAD

POST

GET

20. Client side scripting which is to program the behaviour of the browser is:

*( Choose one )*

HTML

CSS

Java Script

XML

21. In HTML attributes can have tags

*( Choose one )*

TRUE

FALSE

22. which tag is used to add a Horizontal line

*( Choose one )*

<lb>

<br>

<hr>

<line>

23. What is the value of the variable isEqual  
  
var alsoAString= '25';  
var isANumber= 25;  
var isEqual= (alsoAString==isANumber);

*( Choose one )*

TRUE

FALSE

Error, since string cannot be compared with an integer

25

24. Which of the following is an incorrect rule for a well formed XML?

*( Choose one )*

Elements must be properly nested

Every element should have a closing tag

XML document must have only one root Element

Attributes should be defined in the ending tag of an element

25. Which of the following is not an advantage of Inheritance?

*( Choose one )*

Reusability

Extensibility

Data hiding

faster execution

26. a.Non private members of a Base class can be accessed from a derived class.  
b.Protected members are accessible to all the classes in the entire inheritence hierarchy

*( Choose one )*

a is true and b is false

a is false and b is true

Both are TRUE

Both are FALSE

27. Complete the following statement:  
To establish inheritance relationship within two classes in practice, we must have \_\_\_\_\_\_\_\_\_\_\_ relation among them.

*( Choose one )*

Has - A

Is - A

Within - A

None from the options

28. Which of the following are qualified for overriding ?

*( Choose one )*

int mtd1(float,float)  
int mtd1(int,float)

void mtd1(int,float)  
int mtd1(int,float)

int mtd1(int ,float)  
int mdt1(int,float)

int mtd1(int ,float)  
int mtd1(int,float)

29. Which of the following is not an advantage of Inheritance?

*( Choose one )*

Reusability

Ease in Maintenance

Code duplication increases

Helps in polymorphism

30. Say True or False  
  
a. Child class has direct access to the private members of the Parent class  
b. Protected members of a class can be accessed by any class in the same package

*( Choose one )*

a-TRUE b-FALSE

a-FALSE b-TRUE

Both are TRUE

Both are FALSE

31. which of the following defines a HAS-A relationship between two classes?

*( Choose one )*

Inheritance

Abstraction

Polymorphism

Aggregation

32. Which one of the following is true?

*( Choose one )*

Abstract class can be instantiated

Abstract methods should be implemented in the base class.

An abstract class cannot have non-abstract methods.

Interfaces will have only abstract methods

None of the above.

33. Abstract class cannot be inherited

*( Choose one )*

TRUE

FALSE

34. What is encapsulation?

*( You can choose multiple options )*

variables of a class will be hidden from other classes

wrapping the data (variables) and code acting on the data (methods) together as a single unit

Establishing Is-A relationship

Same method but different return type or different data type of parameters

Message Passing

35. Which of the following statement is false?

*( Choose one )*

final variable values cannot be changed

final methods cannot be overridden

final objects cannot be initialised

final class cannot be inherited

native class Sample{ }

36. \_\_\_\_\_\_\_\_\_ is the ability of a generalized request(message) to produce different results

*( Choose one )*

aggregation

polymorphism

encapsulation

abstraction

37. Valid XML document means

*( Choose one )*

the document has root element

the document contains atleast one or more root element

the XML document has DTD associated with it & it complies with that DTD

Each element must nest inside some enclosing element property

38. How can we write attributes having multiple values:

*( Choose one )*

<myElement myAttribute="value1 value2"/>

<myElement myAttribute="value1" myAttribute="value2"/>

<myElement myAttribute="value1, value2"/>

attributes cannot have multiple values

39. The syntax for writing default values for element is

*( Choose one )*

<xsd:element name=”max” type=” xsd:integer” value=”100” />

<xsd:element name=”max” type=” xsd:integer” fixValue=”100” />

<xsd:element name=”max” type=” xsd:integer” default=”100” />

<xsd:element name=”max” type=” xsd:integer” defaultval=”100” />

40. Which of the following are Utility softwares?

*( You can choose multiple options )*

Compilers

Operating System

PowerPoint

Virus Scanners

41. What are the following steps carried out by OS?

*( You can choose multiple options )*

Allocate memory for the program

Load the program from secondary storage

Compiling the program

Storing data for the program

42. Consider the structure of the employees and departments table:  
  
Employees(emp\_no, emp\_name,salary,department\_id)  
Department(Department\_id,dept\_name,location\_id)  
SELECT e.emp\_name, d.dept\_name  
FROM employees e  
JOIN departments d  
on e.department\_id = d.department\_id  
WHERE ddepartment\_id NOT IN (10,40)  
ORDER BY department\_id  
  
The statement fails when executed. Which change fixes the error?

*( Choose one )*

remove the ORDER BY clause

add the table alias prefix in the Order by clause

prefix the column in the ORDER BY clause with the table alias

Move the condition in the ON clause to the where clause

43. Which sorting order will place the Null values at the last?

*( Choose one )*

DESC

ASC

ASC first, DESC second

Sort is not applicable on null values

44. Evaluate the following SQL statements:  
  
DELETE FROM sales;  
  
There are no other uncommitted transactions on the SALES table.  
Which statement is true about the DELETE statement?

*( Choose one )*

It removes all the rows as well as the structure of the table

It removes all the rows in the table and deleted rows cannot be rolled back

It removes all the rows in the table and deleted rows can be rolled back

It would not remove the rows if the table has a primary key

45. \_\_\_\_\_\_\_\_\_\_\_ is a select-from-where expression that is nested within another query

*( Choose one )*

Join

Sub Query

View

Group

46. Which of these type of attributes are ignored while converting the ER Diagram into relational tables

*( Choose one )*

Multi Valued Attributes

Derived attributes

Composite attributes

Weak attribute

47. Protocols specific such as WWW, e-mail, FTP belong to

*( Choose one )*

Network layer

Application layer

Transport layer

Hardware layer

48. Which of the following are the ways to apply CSS to HTML

*( Choose one )*

In-line

Internal

External

All of the choices