

Question 1

Not yet answered

Marked out of 1.00

Flag question

UNICODE is an example of

Select one:

- ☐ a. character encoding set
- ☐ b. driver
- ☐ c. software
- ☐ d. database

Question 2

Not yet answered

Marked out of 1.00

Flag question

ASCII stands for

Select one:

- ☐ American standard code for information interchange
- ☐ All purpose scientific code for information interchange
- ☐ American security code for information interchange
- ☐ American Scientific code for information interchange

Question 3

Not yet answered

Marked out of 1.00

Flag question

Which of the following process state transitions is not possible?

Select one:

- ☐ Ready to Running
- ☐ Ready to Blocked
- ☐ Running to Blocked

Question 4

Not yet answered

Marked out of 1.00

Flag question

Two threads created by the same program code share the same process control block.

Select one:

- ☐ True
- ☐ False

Question 5

Not yet answered

Marked out of 1.00

Flag question

Two main measures for the efficiency of an algorithm are

Select one:

- ☐ Processor and memory
- ☐ Complexity and capacity
- ☐ Time and space
- ☐ Data and space

Question 6

Not yet answered

Marked out of 1.00

Flag question

Given that the line `delete newPtr;` just executed, what can you conclude?

Select one:

- ☐ a. The memory referenced by `newPtr` is released only if it is needed by the system.
- ☐ b. The pointer `newPtr` is of type `void *`.
- ☐ c. The pointer `newPtr` only exists if there was an error freeing the memory.
- ☐ d. The pointer `newPtr` still exists.

Question 7

Not yet answered

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Flag question

The memory address of the first element of an array is called

Select one:

- ☐ floor address
- ☐ foundation address
- ☐ first address
- ☐ base address

Question 8

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements about stacks is incorrect?

Select one:

- ☐ a. Stacks can be implemented using linked lists.
- ☐ b. Stacks are first-in, first-out (FIFO) data structures.
- ☐ c. New nodes can only be added to the top of the stack.
- ☐ d. The last node (at the bottom) of a stack has a null (0) link.

Question 9

Not yet answered

Marked out of 1.00

Flag question

Tower of hanoi is a classic example of

Select one:

- ☐ a. divide and conquer
- ☐ b. recursive approach
- ☐ c. B but not A
- ☐ d. Both A & B

Question 10

Not yet answered

Marked out of 1.00

Flag question

Which of the statements below outline the reason for portability of Java language

Select one or more:

- ☐ It has Java Virtual machine on every supported platform
- ☐ Its code is generic enough
- ☐ Every operating system has built in ability to understand its code
- ☐ Size and structure of data types remains same on every platform

Question 11

Not yet answered

Marked out of 1.00

Flag question

Which one of the below mentioned is linear data structure –

Select one:

- ☐ a. Queue
- ☐ b. Stack
- ☐ c. Arrays
- ☐ d. All of the above

Question 12

Not yet answered

Marked out of 1.00

Flag question

Java is Platform Independent

Select one:

- ☐ True
- ☐ False

Question 13

Not yet answered

Marked out of 1.00

Flag question

What is the difference between abstract class and interface?

Select one:

- ☐ An abstract class can have instance methods that implement a default behavior whereas interface cannot.
- ☐ abstract classes can be derived whereas interfaces cannot
- ☐ interfaces can be derived where as abstract classes cannot
- ☐ both are same

Question 14

Not yet answered

Marked out of 1.00

Flag question

What is coupling?

Select one:

- ☐ Number of functions in a class
- ☐ Degree to which a functions/methods of a class are related
- ☐ Degree to which attributes of a class are related
- ☐ Degree of interaction/relationship among different classes

Question 15

Not yet answered

Marked out of 1.00

Flag question

Functional system testing is:-

Select one:

- ☐ a. testing that the system functions with other systems
- ☐ b. testing that the components that comprise the system function together
- ☐ c. testing the end to end functionality of the system as a whole
- ☐ d. testing the system performs functions within specified response times

Question 16

Not yet answered

Marked out of 1.00

Flag question

What is cohesion?

Select one:

- ☐ Number of functions in a class
- ☐ Degree to which a functions/methods of a class are related
- ☐ Degree to which attributes of a class are related
- ☐ Degree of interaction/relationship among different classes

Question 17

Not yet answered

Marked out of 1.00

Flag question

Faults found by users are due to:

Select one:

- ☐ a. Poor quality software
- ☐ b. Poor software and poor testing
- ☐ c. bad luck
- ☐ d. insufficient time for testing

Question 18

Not yet answered

Marked out of 1.00

Flag question

In Scrum, the length of the Sprint should be?

Select one:

- ☐ a. Short enough to keep business risk acceptable
- ☐ b. No more than one month
- ☐ c. Short enough to synchronize development
- ☐ d. All of the above

Question 19

Not yet answered

Marked out of 1.00

Flag question

What can static analysis NOT find ?

Select one:

- ☐ a. the use of a variable before it has been defined
- ☐ b. unreachable ("dead") code
- ☐ c. memory leaks
- ☐ d. array bound violations

Question 20

Not yet answered

Marked out of 1.00

Flag question

Planning ahead for software reuse reduces the cost and increases the value of the systems into which they are incorporated.

Select one:

- ☐ True
- ☐ False

Question 21

Not yet answered

Marked out of 1.00

Flag question

Which is not true-The black box tester

Select one:

- ☐ a. should be able to understand a functional specification or requirements document
- ☐ b. should be able to understand the source code.
- ☐ c. is highly motivated to find faults
- ☐ d. is creative to find the system's weaknesses

Question 22

Not yet answered

Marked out of 1.00

Flag question

Software is a product and can be manufactured using the same technologies used for other engineering artifacts.

Select one:

- ☐ True
- ☐ False

Question 23

Not yet answered

Marked out of 1.00

Flag question

Software deteriorates rather than wears out because

Select one:

- ☐ a. Software suffers from exposure to hostile environments
- ☐ b. Defects are more likely to arise after software has been used often
- ☐ c. Multiple change requests introduce errors in component interactions
- ☐ d. Software spare parts become harder to order

Question 24

Not yet answered

Marked out of 1.00

Flag question

Project Milestones are used to

Select one:

- ☐ a. know the cost of the project
- ☐ b. know the status of the project
- ☐ c. know the user expectations
- ☐ d. All of the above
- ☐ e. None of these

Question 25

Not yet answered

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Flag question

In waterfall model

Select one:

- ☐ analysis ,design and coding activities are done in parallel
- ☐ analysis ,design and coding activities are done one after the other
- ☐ a project is divided into sub modules. And each model is developed and integrated with the system
- ☐ we jump directly to coding

Question 26

Not yet answered

Marked out of 1.00

Flag question

Purpose of Software Engineering is to

Select one:

- ☐ develop software that have required functionality, with minimum time and budget.
- ☐ somehow develop the software
- ☐ is to bring new and complex methodologies to develop software
- ☐ introduce extra work in software production

Question 27

Not yet answered

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Flag question

In Analysis Phase, we

Select one:

- ☐ understand problem and domain of the problem
- ☐ plan the project
- ☐ analyze the solution of the problem
- ☐ we analyze how to work on this project

Question 28

Not yet answered

Marked out of 1.00

Flag question

Which of the following is NOT an internet protocol?

Select one:

- ☐ a. SMTP
- ☐ b. FTP
- ☐ c. HTML
- ☐ d. HTTP

Question 29

Not yet answered

Marked out of 1.00

Flag question

What command is used to remove the directory?

Select one:

- ☐ a. rdir
- ☐ b. remove
- ☐ c. rd
- ☐ d. rmdir
- ☐ e. None of the above

Question 30

Not yet answered

Marked out of 1.00

Flag question

You want to calculate the sum of commissions earned by the employees of an organization. If an employee doesn't receive any commission, it should be calculated as zero. Which will be the right query to achieve this?

Select one:

- ☐ a. select sum(nvl(commission, 0)) from employees;
- ☐ b. select sum(commission, 0) from employees;
- ☐ c. select nvl(sum(commission), 0) from employees;
- ☐ d. All of the above.

Question 31

Not yet answered

Marked out of 1.00

Flag question

Consider the following relational schema.

Students(rollno: integer, sname: string)

Courses (courseno: integer, cname: string)

Registration (rollno: integer, courseno: integer, percent: real)

Now, which of the following query would be able to find the unique names of all students having score more than 90% in the courseno 107?

Select one:

- ☐ a. SELECT DISTINCT S.sname FROM Students as S, Registration as R WHERE R.rollno=S.rollno AND R.courseno=107 AND R.percent >90
- ☐ b. SELECT UNIQUE S.sname FROM Students as S, Registration as R WHERE R.rollno=S.rollno AND R.courseno=107 AND R.percent >90
- ☐ c. SELECT sname FROM Students as S, Registration as R WHERE R.rollno=S.rollno AND R.courseno=107 AND R.percent >90
- ☐ d. None of these

Question 32

Not yet answered

Marked out of 1.00

Flag question

What will be the output for the following queries where salary column has NULL values ?

Query 1. SELECT * FROM EMPLOYEE WHERE Salary <> NULL;

Query 2. SELECT * FROM EMPLOYEE WHERE Salary = NULL;

Select one:

- ☐ a. Query 1 will give last N rows as output (excluding null value)
- ☐ b. Query 2 will give first row as output (only record containing null value)
- ☐ c. Query 1 and Query 2 both will give the same result
- ☐ d. None of the above

Question 33

Not yet answered

Marked out of 1.00

Flag question

Which of the following option is correct about following queries?

Query 1 : SELECT a.account_id, a.cust_id, b.name
FROM account a NATURAL JOIN business b;

Query 2 : SELECT a.account_id, a.cust_id, b.name
FROM business b NATURAL JOIN account a;

Select one:

- ☐ a. Both queries will give same outputs
- ☐ b. Both queries will give different output
- ☐ c. Need table structure
- ☐ d. None of these

Question 34

Not yet answered

Marked out of 1.00

Flag question

Which of the following query will find all the unique students who have taken more than one course?

Select one:

- ☐ a. SELECT DISTINCT e1.sid FROM enrolled AS e1, enrolled AS e2 WHERE e1.sid != e2.sid AND e1.cid != e2.cid
- ☐ b. SELECT DISTINCT e1.sid FROM enrolled AS e1, enrolled AS e2 WHERE e1.sid = e2.sid AND e1.cid = e2.cid
- ☐ c. SELECT DISTINCT e1.sid FROM enrolled AS e1, enrolled AS e2 WHERE e1.sid != e2.sid AND e1.cid != e2.cid
- ☐ d. SELECT DISTINCT e1.sid FROM enrolled AS e1, enrolled AS e2 WHERE e1.sid = e2.sid AND e1.cid != e2.cid

Question 35

Not yet answered

Marked out of 1.00

Flag question

Which of the following statement(s) is/are true about "HAVING" and "WHERE" clause in SQL?

1. WHERE is always used before GROUP BY and HAVING after GROUP BY
2. WHERE is always used after GROUP BY and HAVING before GROUP BY
3. WHERE is used to filter rows but HAVING is used to filter groups
4. WHERE is used to filter groups but HAVING is used to filter rows

Select one:

- ☐ a. 1 and 3
- ☐ b. 1 and 4
- ☐ c. 2 and 3
- ☐ d. 2 and 4

Question 36

Not yet answered

Marked out of 1.00

Flag question

Is this SQL statement valid :

select 'Hello' ?

Select one:

- ☐ True
- ☐ False

Question 37

Not yet answered

Marked out of 1.00

Flag question

The process of combining two tables in a relational database is known as

Select one:

- ☐ Relate
- ☐ Combine
- ☐ Join
- ☐ Construct

Question 38

Not yet answered

Marked out of 1.00

Flag question

Multivalued dependencies should _____ be eliminated.

Select one:

- ☐ always
- ☐ commonly
- ☐ seldom
- ☐ never

Question 39

Not yet answered

Marked out of 1.00

Flag question

A foreign key is

Select one:

- ☐ a key referring to some other table
- ☐ same as primary key
- ☐ is a candidate key
- ☐ is never used in database

Question 40

Not yet answered

Marked out of 1.00

Flag question

A _____ is a program that performs some common action on database data and that is stored in the database.

Select one:

- ☐ trigger
- ☐ stored procedure
- ☐ pseudofile
- ☐ None of the above is correct.

Question 41

Not yet answered

Marked out of 1.00

Flag question

Which of the following is NOT a type of SQL constraint?

Select one:

- ☐ PRIMARY KEY
- ☐ FOREIGN KEY
- ☐ ALTERNATE KEY
- ☐ UNIQUE

Question 42

Not yet answered

Marked out of 1.00

Flag question

Which of the following is a computer whose job is, to respond to requests for services or resources?

Select one:

- ☐ Client
- ☐ Server
- ☐ Both A and B

Question 43

Not yet answered

Marked out of 1.00

Flag question

Default IP address of computer is

Select one:

- ☐ 1.1.1.1
- ☐ 127.0.0.1
- ☐ 192.168.0.1
- ☐ 0.0.0.0

Question 44

Not yet answered

Marked out of 1.00

Flag question

Difference between collaboration diagram and sequence diagram is that

Select one:

- ☐ sequence diagrams use arrows whereas collaboration diagrams do not
- ☐ sequence diagram show interaction among object whereas collaboration diagram represent classes
- ☐ sequence diagram emphasis on sequence of events whereas collaboration diagrams emphasis on organization of objects and events
- ☐ both are same

Question 45

Not yet answered

Marked out of 1.00

Flag question

In UML, a Class diagram is used to represent a Domain model.

Select one:

- ☐ True
- ☐ False

Question 46

Not yet answered

Marked out of 1.00

Flag question

HTML web pages can be read and rendered by _____.

Select one:

- ☐ a. Compiler
- ☐ b. Server
- ☐ c. Web Browser
- ☐ d. Interpreter

Question 47

Not yet answered

Marked out of 1.00

Flag question

Which of the following is not a browser ?

Select one:

- ☐ a. Microsofts Bing
- ☐ b. Netscape Navigator
- ☐ c. Mozilla Firefox
- ☐ d. Opera

Question **48**

Not yet
answered

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1.00

Flag question

PHP is _____ scripting language.

Select one:

- ☐ a. Server-side
- ☐ b. Clint-side
- ☐ c. Middle-side
- ☐ d. Out-side

Question **49**

Not yet
answered

Marked out of
1.00

Flag question

HTML is what type of language ?

Select one:

- ☐ a. Scripting Language
- ☐ b. Markup Language
- ☐ c. Programming Language
- ☐ d. Network Protocol

Question **50**

Not yet
answered

Marked out of
1.00

Flag question

What does CSS stand for?

Select one:

- ☐ a. Creative Style Sheets
- ☐ b. Colorful Style Sheets
- ☐ c. Computer Style Sheets
- ☐ d. Cascading Style Sheets