

Election Vacation Homework

Group A

Tick the best alternatives.

[9×1=9]

- Primary key does not accept
 - Text
 - Number
 - Null Value
 - All of the above
- Which of the following is not a database application?
 - Oracle
 - FoxPro
 - MS-Access
 - MS-Excel
- Which one of the following is a loop construct that will always be executed once.
 - for
 - while
 - switch
 - do while
- What is # include
 - preprocessor directive
 - inclusion directive
 - file inclusion directive
 - none of the mentioned
- Which is not the feature of OOP
 - Code reusability
 - Modularity
 - Redundant Data
 - Efficient Code
- What kind of transmission medium is most appropriate to carry data in a computer network that is exposed to electrical interferences?
 - Unshielded twisted pair
 - Optical fiber
 - Coaxial cable
 - Microwave
- Which loop is faster in c language?
 - for
 - while
 - do while
 - all work at same speed
- What is the output of c program?

```
int main()
{ int k;
for (k =1; k>= 5;k ++ )
{
printf ("%d", k);}
return 0; }
```

 - 12345
 - 1234
 - 6
 - null
- A relational database consists of a collection of
 - Tables
 - Fields
 - Records
 - Keys

Group B

Give short answer to the following questions.

[5×5=25]

- Why is Normalization needed? Explain the normalization process with examples.

Or

What is SQL? Demonstrate the basic DML statement with an example.

- What is data integrity? Explain different types of data integrity.
- Write a program to display factorial of any given number using JavaScript.

Or

Write a program to display simple interest using JavaScript.

- What is networking? Differentiate between peer to peer and client server network architecture.
- What is OOP? Explain application areas of OOP.

Group C

Give long answer to the following questions

[2×8=16]

- What is transmission media? Explain guided transmission media with detail.
- What is array? Write a program to display matrix multiplication of two 2×2 matrix.

Or

What is function? Write a program to display area of rectangle and simple interest using function.

The End

Election Vacation Homework

Group A

Tick the best alternatives.

[9×1=9]

1. What will the result of num variable after execution of the following statements?
int num = 58;
num % = 11;
a. 3 b. 5 c. 8 d. 11
2. Which of the following keywords is used to define a variable in JavaScript?
a. Var b. Let c. both a and b d. none of the above
3. JavaScript is interpreted by
a. Client b. Server c. Object d. None
4. Which of the following items is not used in local area network (LAN)?
a. Cable b. Printer c. Modem d. Computer
5. Which is not the feature of OOP
d. Code reusability b. Modularity
c. Redundant Data d. Efficient Code
6. Which normal form is used to remove the partial dependency?
a. First b. Second c. Third d. BCNF
7. Which SQL command is used to insert a row in a table?
a. Select b. Create c. Insert d. Drop
8. Primary key does not accept
a. Text b. Number c. Null Value d. All of the above
9. Which of the following is a database application?
a. Oracle b. Word processor c. NO-SQL d. MS-Excel

Group B

Give short answer to the following questions.

[5×5=25]

10. What is Database? Explain advantages and disadvantages of DBMS.

Or

What is SQL? Demonstrate the basic DDL statement with an example.

11. What is key? Explain different types of key attributes.
12. Write a program to display Fibonacci series up to 12th term using JavaScript.

Or

Write a program to display sum of odd and even number up to nth term using JavaScript.

13. What is Transmission media? Differentiate between STP and UTP cable.
14. What is OOP? Explain polymorphism and inheritance.

Group C

Give long answer to the following questions

[2×8=16]

15. What is LAN topology? Explain different types of topologies with detail.
16. What is function? Write a program to display sum, sub, product and division of any two numbers using functions.

Or

What is string handling functions? Explain any four string handling functions with example.

The End