VURAM TECHNOLOGY

**APTITUDE:**

1)There is three switches outside the room.One fan is inside the room.What is the switch of that fan?CONDITION:Only once you can enter in to the room.  
2)√1%=?  
3)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Apple |  | Orange |  | Mixed |

The Box named outside do not contain the same fruit inside . One chance to open the box and find the fruit.

**PROGRAMMING:**

1) Code for the following pattern:

a) i)\*\*\*\*\* ii)\*  
\*\*\* \* \*  
 \* \* \* \*  
 \* \* \* \*

b) 1111  
 000  
 1 1  
 0

c)11111  
 1 1  
 1 1  
 1 1  
 11111

2)Difference between array and structure?  
  
3)Is structure present in C++?

4)If the string is replaced by NULL character?

5) Code for the following pattern:

a) \*  
 \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\*  
 \*\*\*  
 \*

b)#####  
 # #  
 # #  
 # #  
 #####  
6)Merge 2 array remove duplicate.  
7)Remove special character from the string.  
8)What is Web technology,HTML,CSS?  
9)Difference between JAVA Script and Jquery.  
10)Advantages of Jquery.  
11)Where will you use JAVA Script and Jquery?  
12)Real world example for Abstraction and Polymorphism.  
13)C program to print name excluding initial[there may be n number of initials]  
14)What is scripting?  
15)Explain client side and server side scripting.  
16)What is primary key,UNIQUE and NOT NULL?  
17)How to have a foreign key?  
18)What is a router and gateway?  
19)Which is used to connect two different networks?  
20)Whether router connects the same network?  
21)Disadvantage of TCP.  
22)Difference between TCP and UDP.  
23)TCP is used in wired or wireless  
24)What is normalization and why it is used?  
25)Whether we can write coding without using class in java.  
26)What is class and object?  
27)IP of LAN  
28)Program to square a number and display the number of digits in the squared number.  
29)Difference between JAVA script and PHP?  
30)What is Mac address and IP address?  
31)What is database and compiler?  
32)What is JVM,JDK?  
33)Android ‘s current version.  
34)What is there in stdio.h?  
36)What is XML?  
37)Path in Javac.  
38)Logic to check the given number is prime or not.  
39)Write a C program for table ‘5’ upto 20 and print it.  
40)Code the following pattern,  
a)12345  
 1 5  
1 3 5  
 1 5  
 1 2 3 4 5  
b)Number of working days between given two dates.  
c)Print E D C B A  
 E D C B  
 E D C  
 E D  
 E  
41)Printi) 20 multiples of 3&4 ii)after printing 60  
42)Logic for program.  
 1  
 2 3  
4 5 6   
 7 8 9 10  
43)Write a C program to merge both table ‘3’ and table ‘5’ in the form of 3,5,6,9,10,12,15……… upto 20.Repeated number not allowed to print.(Example:3\*5=15 & 5\*3=15, print once)  
44)Write a program to display your name in odd places and display the number in even places.  
45)Explain array concepts.  
46)Why we add #include<stdio.h>?  
47)Can we use #include<file.h>?  
48)Can we use main as a recursive function?  
49)Do a C program on multiplication without using \* operator?  
50)What is # in #include<stdio.h>?  
51)Difference between Linux and Windows.  
52)Difference between C++ and C.  
53)Advantages and application of JAVA.  
54)Which is needed to store the data in database?  
55)What is SQL?  
56)Why Java is platform independent?

57)i)Division using addition ii)Division using subtraction iii)Random number generation iv)Finding HCF v)Print odd number for given limit vi)Count the number of digits  
58)Print the number given in amount format.  
59)Difference between JAVA and C.  
60)What is C?

61)Program to generate : 1  
 2 4  
 3 6 9  
 4 8 12 16  
 5 10 15 20 25  
62)How many main functions are there in JAVA?  
63)Add the row and column elements of a particular matrix.  
64)Print the pattern: a)\* \* \* b)$ $ $ $  
 \* \* A AA  
 \* $ $  
 \* B  
 \* \*  
 \* \* \*   
65)Program to square a number and count the number of digits in it.

**TECHNICAL:**

1)What is rectifier,converter,resistor and transistor?  
2)Function of voltage regulator and transformer.  
3)Does a mobile charger consist of transformer or not?  
4)Difference between microprocessor and microcontroller.  
5)What is electrical and electronic device?  
6)Transformer convert AC to DC (or) DC to AC.  
7)Is counter a combinational circuit?  
8)What is resistance depend upon?  
9)What is Biasing?  
10)To find if the current is AC or DC by touching the wire?  
11)What is fuse and its formula?  
12)When will fuse be blown off?  
13) What is the value of current in short circuit?  
14)What is Transformer?  
15)Does the mobile and mobile charger belongs to Electrical or Electronics?  
16)How the chips are made?  
17)Difference between Flip Flop and Latches?  
18)Types of Flip Flop and Rectifier?  
19)Difference between Half wave and Full wave Rectifier?  
20)Is my laptop working in DC or AC and Why?  
21)What is Diode?  
22)What is Kinetic and Potential energy?  
23)Which is the Rotating Part in Rotor?  
24)Mention the machine that in which the stator rotates?  
25)What is Torque and Resistance?  
26)Application of Flip Flop and Diode?  
27)When you connect tester to pluck point in which point will light glows?  
28)Difference between AC and DC?  
29)When will you prefer DC?  
30)What is the transformer and where it is used?  
31)What is Rectifier .How it is formed and . Draw the Half wave rectifier?  
32)How do perform Resistance?  
33)ExplainArduino?