

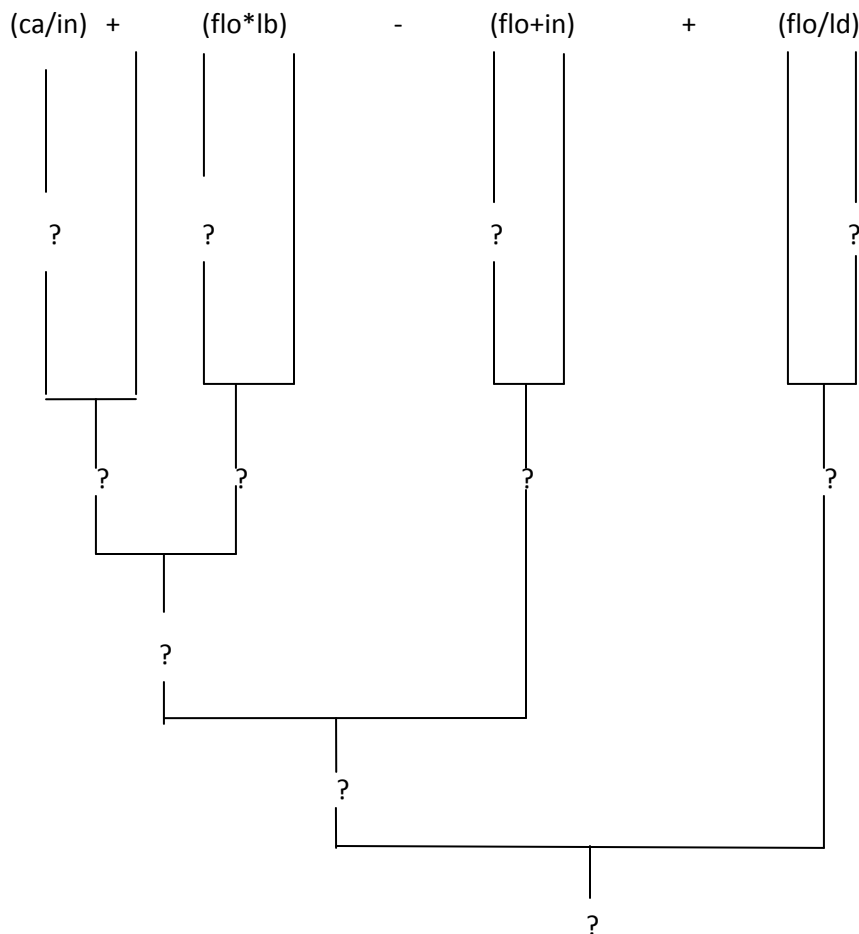
Time-3hrs

M.M. 70

- Q.1 What do you understand by Domain Name Resolution?
- Q.2 What is a Hub ?
- Q.3 Give the following MAC Address, can you identify its parts? Also specify who defines/specifies these parts number?

00:A3:03:51:0E: AC

- Q.4 What are the following software used for?
- (i) Mozilla (ii) Apache
- Q.5 Expand the following abbreviations and explain in brief :
(i) FLOSS (ii) GNU.
- Q.6 What do you understand by TTF and OTF ?
- Q.7 Differentiate between Evens and Messages.
- Q.8 Explain implicit type conversion If the following Data types char=ca, Integer= in, Float=flo, Double=lb, double float= ld, then solve this Hierarchical :-



Q . What is the difference between a text field and a password field when both obtain text from user ?

(j)What is Focus? When do FOCUS_GAINED AND FOCUS_LOST occur?

(k)What is a list ? How is it different from combo box?

(l) What is return statement describe with example ?

(m) Which keyword retains duplicate output rows in a query result?

(n) What is Alter Statement? Describe with example?

Q.9 Give the value of x after executing following Java code. Also find how many times the following loop will execute? : 3

```
int a=10;
int b=12;
int x=5;
int y=6;
while (a<=b)
{ if (a%2==0)
    x=x + y;
  else
    x=x-y;
  a=a+1;
}
```

Q. 10 Write the equivalent switch case for the following code : 3

```
If (num1 == 1 )
    jTextField1.setText("Number is one");
else If (num1 == 2 )
    jTextField1.setText("Number is two");
else If (num1 == 3 )
    jTextField1.setText("Number is three");
else
```

```
jTextField1.setText("Number is more than three");
```

Q.11 Rewrite the following Java code after underling the corrections made.

2

```
int x = = 0;
```

```
int n= Integer parseInt(Jlabel1.getText);
```

Q.12 Blue Valley Public School has computerised its registration for class XI students. Given below is the data entry form for same.

Answer the following questions using Java NetBeans IDE.

10

Control Name	Controls	Description
Text field	jTextField1	To accept admission number of the student
Text field	jTextField2	To accept Name of the student
Text field	jTextField3	To display total fee of the student
Radio button	jOptArts	To choose Arts subject
Radio button	jOptMed	To choose Medical subject
Radio button	jOptNonMed	To choose Non Medical subject
CheckBox	jChkBox	To enter information whether the computer is opted
Button	jButton1	To perform the different tasks which are mentioned below.
Button	jButton2	
Button	jButton3	

Button	jButton4	
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i) On clicking the initial button the jTextField1 and jTextField2 editable property should be set to false.

ii) On clicking the Calculate button the jTextField1 and jTextField2 editable property should be set to true. The Total Fee is calculated on the basis of the following criteria:

Stream	Fee(Rs.)
Commerce	2500
Arts	2000
Medical	2900
Non Medical	2800

The Fee should be displayed in jTextField2.

iii) If the student has opted for Computers Rs. 200 will be added to the Total Fee. The Total Fee should be displayed in jTextField3.

iv) On Clicking the End button the application will be closed.

10 Write the output of the following code

```
int j = 10,x=0,i=0;
for (i = 1;i<=4;i++)
{
    if(i%2==0)
        x = x+ (i * j);

    j = j - 2 ;
}
System.out.println(x);
```

11 Rewrite the corrected program after removing syntax errors, underline the corrections

```
integer P=1 ;
integer C =1;
FOR C=1 TO 10
    P = P+1
    IF P = 5 THEN
        P = 1
        DISPLAY "P is equal to 5"
    ELSE
        DISPLAY "P is not equal to 5"
```

- 12 Rewrite the following code using if..else if without effecting the output of the code: (Any four)
- ```
switch(per)
{
case 90 :
 System.out.println("A1"); break;
case 80 :
 System.out.println("A2"); break;
case 70 :
 System.out.println("B1"); break;
case 60 :
 System.out.println("B2"); break;
case 50 :
 System.out.println("C1"); break;
default:
 System.out.println("D1"); break;
}
```
- 13 Write the following code segment using **for...** loop without effecting the output of the code:
- ```
int Num=6;

int Temp=Num;

while (Num>=1)

{ Temp=Temp-1;

    if (Temp% 2== 0)

        System.out.println(" is Even");

    else

        System.out.println(" is Odd");

    Num=Num-2;

}
```
- 14 Write the code to print the sum of digits of a number.

Section C

Table : Student

Enrno	Name	DOB	Class
1001	anugraha	2000-10-7	7
1002	alvin	2002-5-8	5
1003	aswin	2003-5-5	7
1004	ashish	2004-6-7	5

Table : Marks

Enrno	TMarks	TDate
1001	88.38	2010-8-10
1003	85.58	2010-7-10

- 15 Write sql queries:
- To display Enrno, name of all students of class 7 and class 5.
 - To create a equi join displaying enrno, name, tmarks and tdate.
 - To display all related columns of both tables eliminating the identical columns.
 - To display all columns of table **Student** even if it does not have matching values in the table **Marks**.
 - To display a Cartesian product of table **Student** and table **Marks**.
 - To add a column **Address – Varchar(35)** to table Student.
 - To modify the column **Address – Varchar(45)** of table Student.
 - To change the class of Ashish from 5 to 6 of table **Student**.

16 Write the output:

- (a) Select UCase(Name) from Student where class>5;
- (b) Select MOD(ROUND(Tmarks,0),2) from Marks;
- (c) Select Substr(Name,2,2) from Student where enrno=1001;
- (d) Select Truncate(Tmarks,1) from Marks;
- (e) Select Round(Tmarks,1) from Marks;
- (f) Select concat(UCase(Left(Name,2)) , Right(Name, length(name)-1)) from Student where Enrno=1001;
- (g) Select Count(Distinct Class) from Student;
- (h) Select class,sum(enrno),min(enrno) from Student group by class;

17 Create table **Student** as per the specifications given below:

Column Name	Type	Length	Constraint
Enrno	Integer	5	Primary Key
Name	Varchar	25	NOT NULL
DOB	Date		
Class	Integer	3	>=1

18 Create table **Marks** as per the specifications given below:

Column Name	Type	Length	Constraint
Enrno	Integer	5	Foreign key =>Student(Enrno)
TMarks	Integer	3	Between 0 and 100
TDate	Date		