CLASS XII
GUESS PAPER-065
INFORMATICS PRACTICES

TIME: 3:00Hrs   M.M 70

General Instructions :

(a) *All questions are compulsory*

(b) *Answer all the Questions after carefully reading the questions.*

(c) *Please write down the Serial Number of the question before attempting it*

(d) *Each questions mark is assign in front of question*

Q1. Expand the terms:

(i)OSI (ii) FLOSS (iii) GNU (iv) OSS (v) FSF   2.5

Q2. What for are these software used?

(i)Linux   (ii)Mozilla Firefox (iii)Python (iv)MySQL (v) Apache   2.5

Q3. Sujata says that the following numbers indicate an address   1

        208.77.188.166

 What is the above address called? To which object /device is it assigned

Q4. Write the purpose of the following: **2**

        (i) Repeater   (ii) Router

Q5. Name two communication cables used in networking and explain any one.   2

Q6. Compare Free software and open source software.   2

Q7.What do you understand by TTF and OTF?   2

Q8.What is the difference between a text field and a password field when both obtain text from user.   2

Q9.How keywords different from identifiers?   2

Q10. What do you understand by data types? Difference between Primitive and Reference data types in Java?   2

Q11.What is the scope and lifetime of a variable ?   2

Q12. What are three constructs that governs statement flow?   1

Q13. Explain the following: 3

    (i)gettext( )   (ii)parse   (iii)settext ( )

Q14.What do you mean by operators? What are different kinds of operators? Explain   3

Q15.(a) Rewrite the following fragment using switch: 3

    if(ch=='E')

    eastern++;

    if(ch=='W')

    western++;

    if(ch=='N')

    northen++;

    if(ch=='S')

    southern++ ;

else

    unknown++;

(b) Write the code to display the following: 4

```
1
2    2
3    3    3
4    4    4    4
5    5    5    5    5
```

(c). Find the syntax errors if any in the following programme: 2

```
int i ; sum=0;

i=1;

while(i=<10)

{

        sum=sum+i;

        i=i+3

}

System.println(sum);
```

Q16. Write the features of XML?   2

Q17. Differentiate between DDL and DML ?   2

Q18What do you mean by Join?   2

Q19.What is purpose of DROP TABLE command in MySQL? How is it different from DELETE command?   3

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Q20.What do you understand by ACID properties of database transaction?   3

Q21. (a) Write am SQL query to create the table MENU with the following structure: 1

Field	Type	Constraint
ItemCode	Varchar(5)	Primary Key
ItemName	Varchar(20)	
Category	Varchar(20)	
Price	Decimal(5,2)	

 (b) In a database there are two tables 'Company' and 'Model' as shown below:

Company

CompID	CompName	CompHO	ContPerson
1	BPL	Okhla	C.B.Ajit
2	Maxima	Shahdra	V.P.Kohli
3	Ajanta	Najafgarh	R.Mehta

Model

ModelID	CompID	ModelCost
T020	1	2000
M032	4	2500
M059	2	7000
A167	3	800
T024	1	1200

i)   Identify the foreign key column in the table   1

ii)   Check every value in CompID column of both the tables. Do you find any discrepancy?   1

c)Consider the table DOCTOR and PATIENTS given below: 6

Doctor

DocID	DocName	Dept	OPD_Days
01	D.Aggarwal	ENT	TTS
02	ShivCharan	Paed	MWF
201	C.Panday	Ortho	MWF

Patients

PatNo	PatName	Dept	DocID
1	Neeraj	ENT	01
2	Mohit	Ortho	201
3	Ragini	ENT	01
4	Mohit	Paed	02
5	Nandini	Ortho	201

With reference to these tables, write commands in SQL for(i) and (ii) and output for (iii) below:

(i)   Display the PatNo,Patname and corresponding DocName for each patient.

(ii)   Display the list of all patients whose OPD_Days are MWF.

(iii) Select OPD_Days, Count(*) from Doctors, Patients.

Q22 Given the following family relation. Write SQL commands for questions (a) to (d) and output for (e):   6

TABLE :FAMILY

No	Name	Female members	Male members	Income	Occupation
1	Mishra	3	2	7000	Service
2	Gupta	4	1	50000	Business
3	Khan	6	3	8000	Mixed
4	Chaddha	2	2	25000	Business
5	Yadav	7	2	20000	Mixed
6	Joshi	3	2	14000	Service
7	Maurya	6	3	5000	Farming
8	Roa	5	2	10000	Service

a) To select all the information of family whose occupation is service

b) To list all name of family with income in ascending order

c) To display family's name, male members and occupation of business family

d) To count the number of families whose income is less then ₹10,000

e) *Give the output of the following SQL commands:*

  i. SELECT MIN(DISTINCT INCOME) FROM FAMILY;

    ii.   SELECT AVG(INCOME) FROM FAMILY;

Q23(a)What is E-Governance?   1

(b) Mr. Anurag Da working as manager in Hari Om Enterprises wants to create a form in NetBeans to take various input from user. Choose appropriate controls from label, textbox, Radio Button,CheckBox,List Box,ComboBox & Command Button and write them in the third column: 2

S.No	Control used to	Control
1	Enter Name, Address and Salary	
2	Select Gender(male/female)	
3	Select Department from available List	
4	Choose Hobby of Employee (Singing/dancing/Skating/Swimming)	

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