

MARKING SCHEME

INFORMATICS PRACTICES (065)

Time allowed : 3 Hours

M. M.: 70

1.

(a) Ans: Team Viewer(1 mark for correct answer)

(b) Ans: i) WAN ii) MAN (1/2 Mark for each correct ans)

(c) Ans: Modem convert the digital signal to analog and analog signal to digital. It allow you to connect and communicate with other computer via telephone lines (1 Mark for correct ans)

(d) Ans:Devnagari, Bengali,Gurumukhi,Gujarati,Oriya,Tamil,Telugu,Kannada,Malayalam (any two)

(½ for each)

(e) Process of obtaining corresponding IP address from a domain name. (1 mark for correct ans)

(f) Define any two threats to network security.

(1 mark for each threat)

(g).Ans:i) Freedom to run the program . ii) freedom to redistribute the copies of the software

iii) Freedom to modify the software as the source code of the software is freely available

h) netbeans and firefox (1/2 mark for each correct ans)

2.(a) Ans: i) TotalTF.setEditable(false) AvgTG.setEditable(false) . (1 mark for each correct part)

ii) echo char

iii) Ans: break statement is used after each case of switch case. In the absence of break statement fall through situation occur wherein all the cases are executed after the matched case(1 for purpose and 1for example)

switch(num)

{

case 1: System.out.println("North");

break;

case 2: System.out.println("South");

break;

case 3: System.out.println("East");

break;

case 4: System.out.println("West");

break;

}

(b)Ans: i. XML ii) type iii) XML is case sensitive so question tag must be closed as <question>

not <QUESTION> iv) <questionpaper>

or

i) OL creates ordered lists UL creates unordered lists

In ordered list some sequential is used like 1,2,3 or a, b,c and in unordered list bullets are used. Like circle, disc and square

(1 mark for one difference)

ii) Ans: Images are inserted in web page using tag.

(1 for proper tag and one mark for example)

(c) Ans: float P,R,T,SI;

P=Float.parseFloat(jTextField1.getText());

R=Float.parseFloat(jTextField2.getText());

T=Float.parseFloat(jTextField3.getText());

SI = P*R*T/100;

jTextField4.setText(SI+ " ");

(1/2 for correct variable declaration, 1/2 for correctly taking the no. of input text fields, 1/2 for formula,

1/2 for correctly displaying the SI in the text field)

3.(a) Ans: use Emp; show tables; (1/2 mark for each correct command)

(b) Ans:

Alter Table Customer

Add Primary Key(CustID); (1/2 for each line Alter and Add)

(c) Ans: Rollback undo all operation and commit do changes permanetly

(1 mark for correct difference)

(d) Ans: degree: 7 and cardinality: 15 (½ for each correct value)

(e) 1. select * from Student where marks is null;

2. select * from student where name like "A%"; (1 mark for each part)

(f)

Ans: Candidate key of a table is a column of an group of columns that is capable of becoming the primary key. A table can have multiple candidate keys but it can have only one primary key.

Example: suppose a tanle Student contains Admno, Rollno, Name , Address , Ph . in this table both Admno and Rollno are unique for every row , therefore , each of these columns is capable of becoming the primary key of the table . Hence this table has two candidate keys – Admno and Rollno. Out of these any can be chosen as the primary key of the table.

(1 for correct diff, 1 for correct example.)

(g) Ans: (i) 4000

(ii) INT

ANN

(1 for each correct answer)

4. (a) She has not set the button group properties of both radio button to same buttongroup

(1 mark for correct definition)

(b) Ans: 3 (1 mark for correct ans.)

OR

Ans: 4 times(1 for correct value)

(c) Ans: 14 and value for time (1 mark for 14 and 1 mark for value for time)

Or

F= 0, i=5

(d)Ans: int i=1;

```
while(i<=5)
```

```
{
```

```
int j=1;
```

```
while(j<=i)
```

```
{
```

```
    System.out.println(i);
```

```
    j++;
```

```
}
```

```
i++;
```

```
} (2 marks for correct ans and 1 mark for partially correct)
```

Or

```
for (int i=1;i<=5;i++)
```

```
{
```

```
    if (i*i==4)
```

```
        JTextField1.setText(""+i);
```

```
}
```

(e) The following code has some error(s).

Rewrite the correct code underlining all the corrections made:

[2]

```
int i,j=5;
```

```
i= j+5;
```

```
if(i==j)
```

```
{    jTextField1.setText("i and j are unequal");
```

```
    break;
```

```
}
```

(1/2 for each corrected four errors)

(f) i) double basic, gp, bp, da;

```
basic=Double.parseDouble(jTFBasic.getText());
```

```
gp=Double.parseDouble(jTFGrade.getText());
```

```
bp=basic+gp;
```

```
da=gp*0.9;
```

```
hr=(basic+gp)*10/100
```

```
jTBDA.setText(""+da);
```

(½ mark for declaration and parse)

(½ mark for calculating BP)

(1 mark for calculating DA and HRA and displaying it)

```
if(jRBStaff.isSelected())
```

```
    pt=300;
```

```
else
```

```
    pt=0;
```

```
gross=bp+da+hra;
```

```
net=gross-pt;
```

```
jTFBP.setText(""+bp);
```

```
jTBHRA.setText(""+hra);
```

```
jTFGross.setText(""+gross);
```

```
jTFPT.setText(""+pt);
```

```
jTFNet.setText(""+net);
```

(1 Mark for calculating professional tax)

ii)

```
jTFBasic.setText("");
```

```
jTFGrade.setText("");
```

```
jTFBP.setText("");
```

```
jTBDA.setText("");
```

```
jTBHRA.setText("");
```

```
jTFGross.setText("");
jTFPT.setText("");
jTFNet.setText("");
jRadioButton1.setSelected(false);
jRadioButton2.setSelected(false);
```

(2 mark)

iii) System.exit(1) (1 Mark)

5. a) Ans: it shows the values of a field in sorted form ascending or descending order.

Group divide the table into groups based on a specified column .

(1 for purpose of ORDER BY, 1 for difference between them)

(b) Write the resulting output of the following:

[0.5 X 4 = 2]

(i). Ans: IDE

(ii). Ans: 108

(iii). Ans: SHARMA

(iv). Ans: 1002

(c) I Ans: Select category,count(*) from teacher group by category; (1 for fully corrected)

ii. Ans:Select * from teacher where Gender='F' and salary between 10000 and 20000;

(1 for fully corrected)

iii. Ans: Select name,department, hiredate,salary*12 as "Annual Salary" from Teacher order by hiredate asc;

(1 for fully corrected)

iv. Ans: Select distinct(department) from teacher;

(1 for fully corrected)

v. Ans: 2

vi. Ans:

TGT 27000

PRT 21000

vii. Ans:

Msh

Mce

viii. Ans:

Department	Hiredate
Math	1980-11-17
Math	1980-03-17

6. (a) Ans: Create table sports(Scode varchar(5) Primary Key, Sname varchar(20) not null, Sleader varchar(20), NoofMember integer default 4, SSymbol Char(1) NOT NULL);

(1 mark for proper syntax , 1 mark for applying all the constraints, variable name and datatypes with values)

(b

Ans: (i) select book_name from books, issued where member_id='M112' and books. Book_id=issued.book_id;

(ii) select type,sum(quantity) from books group by type;

(iii)	Book_name	quantity
	Vision 2020	10
	Godan	50

OR

BOOK ID	AUTHOR NAME	DATE OF ISSUE
B0152	Y.K	15-12-2010
B2314	PREMCHAND	25-10-2010
B0001	J.K.ROLLING	31-12-2010

(c) Ans: i) CompID (1 for correct ans)

Ans: ii) Alter Table Watch ADD Price integer; (1 for correct ans)

7. (a) 1 mark for one correct point

(b) (1 mark for each benefit)

(c)

S.No.	Function	Control
1	Enter Admission Number	TextField
2	Select Stream	Radio Button
3	Select Subject	CheckBox
4	Clear the Form	Button

(½ mark for each functions)