

Std. 12

9-12-2016

Third Unit Test in **INFORMATICS PRACTICES**

Time : 1½ hr.

M. Marks: 35

1.
 - a) Which communication channel is suitable when very fast communication between two offices in two different countries is required? [1]
 - b) Name the device which handles the connection between two or more networks which may have different protocols. [1]
 - c) Write one advantage of optical fiber cable. [1]
 - d) Write one snooping method used by hackers/crackers. [1]
 - e) Mr. Ram is interested in transferring songs from his mobile to Mr. Shyam's mobile. Suggest two suitable wireless options he may use for doing the same. [2]
 - f) Expand the following abbreviations: [4]
i) OSS ii) GNU iii) OSI iv) FSF v) W3C vi) FTP vii) HTTP
viii) PAN
2.
 - a) What is a transaction? Which command is used to make changes done by a transaction permanent on a database? [2]
 - b) What effect does SET AUTOCOMMIT have in transactions? [1]
 - c) The following code has some error(s). Rewrite the correct code underlining all the corrections made. [2]

```
int written, interview;  
written = Integer.parseInt(jTextField1.getText( ));  
interview = Integer.parseInt(jTextField2.getText( ));  
if (written<80) OR (interview <15)  
{  
System.out.println(Not selected);  
}  
Else;  
{  
System.out.println("Selected");  
}
```
 - d) Write the values of sum and t after execution of the following code: [2]

```
int sum, t;  
sum = 27;  
t = 3;  
sum = sum + 2* (++t);
```
 - e) What will be the contents of jTextField1 and jTextField2 after executing the following code: [2]

```
String s = "Best";  
String r = "Luck";  
String z;  
z = r.concat(s);  
jTextField1.setText(z);  
jTextField2.setText(r.toUpperCase( ));
```

- f) Seema is a junior programmer at 'Avon Shoe Factory'. She has created the following GUI in Netbeans.

3 items Shoes, Sandals and Slippers are manufactured by the factory.

A buyer can buy more than one item at a time.

Each pair of shoes costs Rs 1,500.00, each pair of sandals costs Rs 1,000.00 and each pair of slippers cost Rs 500.00.

The item bought will be selected by the user and the Quantity (number of pairs) bought will be entered by the user.

Amount to be paid for that item will be displayed in front of the item.

For example if 'shoe' is selected and Quantity entered is 20, then Amount should be displayed as 30000. Help Seema write code for the following:

When 'Calculate' button is clicked, the amount should be displayed in front of each item (in the appropriate textfield) and Total amount(sum total of all the amount) should be displayed in the appropriate textfield.

When clear button is clicked, all the Textfields and Checkboxes should be cleared.

When stop button is clicked, the application should close.

[3]

[1]

[1]

- g) Given below is the 'Stu' table:

[2]

RNO	NAME
1	Amit
2	Bhishm

The following statements are entered:

SET Autocommit = 0;

```

INSERT INTO Stu VALUES (5, 'Rahul');
COMMIT;
UPDATE Stu set name = 'Rahuliya' where Rno = 5;
SAVEPOINT A;
INSERT INTO Stu VALUES (6, 'Cristina');
SAVEPOINT B;
INSERT INTO Stu VALUES (7, 'Fozia');
SAVEPOINT C;
ROLLBACK TO B;
Now what will be the output of the following statement?
SELECT * FROM Stu;

```

h) How many times will the following loop execute. Also write the output. [2]

```

int z = 7, sum = 0;
do
{
    sum = sum + z;
    z = z + 2;
    System.out.println(" " + z);
}
while (z <=12);

```

i) Rewrite the following program code using IF ELSE IF instead of SWITCH statement. [2]

```

String rem;
int code = Integer.parseInt(jTextField1. getText( ));
switch (code)
{
case 1 :    rem = "Classes start on 8th April";
            break;
case 2 :    rem = "Classes start on 8th April";
            break;
case 3 :    rem = "Classes start on 8th April";
            break;
default:    rem = "Contact Admin Office";
}

```

3. a) Identify the error in the following HTML code. Rewrite the correct code. [1]

```
<UL TYPE = "a" START = "d">
```

b) Name two attributes of FONT tag of HTML. [½]

c) Name any two attributes used in tag of HTML. [½]

e) Write the expansions of the following tags used in HTML. [3]

```
<HR>, <I>, <OL>, <P>, <TR>, <TD>
```

-X-X-X-X-X-X-