Second Unit Test in INFORMATICS PRACTICE

Std. 12   Time : 1½ hr.
09-12-2015   M. Marks: 35

1. a) A company has 3 departments namely Administrative, Sales, Production. Out of telephone
cable, Optical Fiber, Ethernet Cable, which communication medium is best for high speed
communication between departments ?   [1]
   b) Name one open source Indian operating system.   [1]
   c) What is the purpose of a Server in a network ?   [1]
   d) What do the following top level domains signify ?   [1]
      i .com
      ii .org
   e) List 2 measures to secure a network.   [2]
   f) Distinguish between MAC address and IP address with the help of example of each. [2]
   g) Distinguish between Phonetic text entry and keymap based entry of typing Indian language
   text.   [2]

2.   a) Which HTML tag and corresponding attributes are used to include an image as the
   background of an HTML document?   [1]
   b) How are tags used in XML different from tags in HTML? Write 2 points.   [2]
   c) Write the name of HTML tag used to include bullet list in a HTML web Page.   [1]
   d) Write HTML code for the following:To provide hyperlink to a website : http://www.xavier.com
   e) Difference between: [2]
      1)
 and <P>
      2) <OL> and <UL>
   f) What is the role of <TR> tag in creating table?   [1]

3.a) How many time each of the following loops execute? Which one of these is an entry control
loop   and which one is an exit control loop?   [3]

Loop1:	Loop2:
int P=1, i=10;	int P=1, i=10;
do	while(i<10)
{	{
P*=i;	P*=i;
i++;	i++;
} while(i<10);	}

b) What will be the value of A and B after execution of the following code: [2]

```
 int A =100, B;
for(B = 10; B<12; B++)
{
A=A+B;
}
JOptionPane.showMessageDialog(null, "A:" + A + "B:" +B+ " ");
```

c) The following code has some error(s). Rewrite the correct code underlining the corrections made:

[2]

```
 int P = 3, Sum = 0;
{
Sum = Sum+P;
P +=3;
}
while (P=<12)
jTextField1 (""+Sum);
```

d) Convert the following for loop into while loop :   [2]

```
int Total=0, Jump=5;
for( int I = 0 ; I <= 5 ; I++)
{
Jump +=5;
Total +=Jump;
}
jTextArea1.setText(" " + Total);
```

e) What will be the content of the jTextArea1 after executing the following code (Assuming that the jTextArea1 had no content before executing this code)?   [2]

```
for (int C=1; C=4; C++)
{
    jTextArea1. setText(jTextArea1. getText( ) + " " + Integer. toString(C*C));
}
```

f) What will be the contents of jTextField1 and jTextField2 after executing the following cod[2]

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

g) Javav Raj is a programmer at Path Educo Enterprises. He created the following GUI in NetBeans Help him to write code for the following:

Lets Play with Series

Enter Starting Number   [_____]

Enter Last Number   [_____]

         Series

Display the Series   [_____]

                                Stop

I. To display series of odd or even numbers (depending on Starting Number-jTextField1is even or odd) in the jTextArea on the click of command button [Display The Series]. [3]

For example:
If the Start Number is 5 and Last Number is 11
Text Area Content will be
| 5 7 9 1 1 |

If the Start Number is 2 and Last Number is 10
Text Area Content will be
| 2 4 6 8 1 0 |

II. Write coding to stop the application [1]

-x-x-x-x-x-x-