Std. 12   Time: 1½ hrs.
10-12-2014   Second Unit Test in **INFORMATICS PRACTICES**   M. Marks: 35

Instructions: (i)   All questions are compulsory.

                       (ii)   Programming language: NetBeans.

1. a) Given below are two addresses: [1]
        i.http://www.abc.com/index.htm
        ii. 182.68.9.165
        Identify which one of the above is an IP address and which one is a URL.
   b) Expand   [1]
        i) ODF
        ii) HTTP
   c) How is a Trojan Horse harmful to a network?   [1]
   d) What do the following top level domains signify?   [1]
        i. .edu
        ii. .org
   e) Write two advantage each of Star and Bus topology used in networking.   [2]
   f) List two measures to secure a computer network.   [2]
   g) What is common in all of the following software(s)?   [2]
        Firefoz, Perl, PHP , OpenOffice.org
        Write one feature of the above category of software.

2. a) What is the impact of e-Learning sites on students learning process?   [1]
   b) Write two advantage of e-Business sites.   [1]
   c) Write three important features of e-Governance? Give URL of one of the commonly used
        e-Governance.   [2]
   d) Jaina is creating a form for her practical file. Help her to choose most appropriate controls
        from List Box, Combo Box, TextField, TextArea, Radio Button, Check box, Label and Commad
        button for the following entries from user.   [2]
            i.   A message "Enter Name" in front of a Text Field.
            ii.   An input to choose more than one subjects from a set of given choices.
            iii. An input for entering comments of user.
            iv.   An input for accepting the residential area out of Rural and Urban as options.

3. a) Write the name of HTML tag used to include numbered list in a HTML web Page.   [1]
   d) Write HTML code for the following: [1]
        To provide hyperlink to a website : http://www.cbse.nic.in
   c) Difference between: [2]
        1)
 and <HR>
        2) <OL> and <UL>
   d) What is the role of ALIGN attribute of <P> tag?   [1]

4. a) (i) What will be the values of varibles 'P' and 'Q' after the execution of the following code?   [2]
        int P,Q=0;
        for(P=1; P<=4; P++)
        {
        Q+=P;
        Q - ;
        }

    (ii) Also convert the above coding lines to while loop.   [2]

   b) 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?

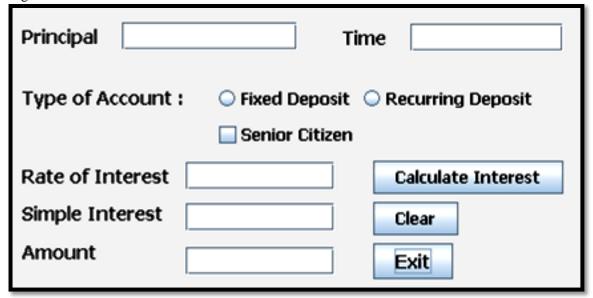| Loop1:	Loop1:
int sum=0, i=5;	int sum=0, i=5;
do	while(i<5)
{	{
sum+=i;	sum+=i;;
i++;	i++;
} while(i<5);	}

c) The following code has some error(s). Rewrite the correct code underlining all the corrections made: [3]

```
int Total=0, Jump=5;
int i;
for(i = 0, i =<5, i++)
{
Jump +=5,
Total+=Jump;
}
jTextarea1.showText(" ", Total);
```

d) Design a JFrame to calculate the amount and interest in NetBeans.

i) Write coding for Calculate Interest button to calculate simple interest and amount. [4]

Simple Interest = (Principal * rate *Time) / 100

Amount = Principal + Interest

Rate is calculated based on type of account and time according to the following table:

Account	Time(in yrs)	Rate
Fixed Deposit	<=1	10%
	>1 and <=5	12%
Recurring Deposit	<=2	10%
	>2 and <= 7	12%

An additional rate of 2% is given to senior citizens. [3]

ii) Write coding for Clear and Exit button.

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