CLASS IX COMPUTER APPLICATIONS FINAL EXAMINATION – MARCH' 09

SECTION – 'A', Attempt all questions

Q1.(a) How can you select :
  (i) slides in continuous order
  (ii) slides in non-continuous order
(b) What is the usage of Slide Sorter View ?
(c) Give the difference between 'Apply' and 'Apply to all' in a presentation ?
(d) Describe : Normal view in Powerpoint.
(e) Differentiate between Autocontent Wizard and Design Templete.

Q2.(a) Write the menu commands or key combinations to perform the following tasks in MS-Excel :   (5)
(i) Delete entire row, (ii) Change default numeric value to two decimal place, (iii) Apply or remove Bold formatting, (iv) Move selected area to a new location, (v)Select entire worksheet.
(b) Write the menu commands or key combinations to perform the following tasks in PowerPoint.   (5)
(i) Apply Slide Color Scheme, (ii) Apply Custom Animation, (iii)Open already existing saved presentation, (iv)Set Timings for a presentation, (v) Inserting a clipart

Q3.(a) Give the output of the program segment given below.   (5)
```
        int a = 0;
        int j = 34;
        while(j<40)
        {
                a = ++j + j * 2;
                j=j – 20;
        }
        System.out.println(a +" "+j) ;
```
(b) Rewrite the program segment shown below using a while loop. (5)
```
int i , sum;
for(i=5, sum=1; sum<10; i++)
{
        sum = sum + i;
}
System.out.println("sum =" +sum) ;
```

Q4. (a) What is Relative, Absolute and Mixed Referencing in Excel ? A formula =C$20 + D$20 at cell G20 when copied to G27 becomes.
(b) Explain any two functions used in MS Excel.
(c) Convert the given expression into Java statement :
$$\frac{2\pi r^2 + 59z^3 - 3(x+z)}{x-z}$$
(d) Write ternary expression for the following if-else construct :
```
if(x<40)
        salary = 4*x+100;
else if(x<70)
        salary = 4.2*x+120;
else
        salary = 4.5*x+150;
```
(e) What is the basic difference between Math.floor( ) and Math.ceil( ) ?   Illustrate, taking –12.6 and 12.8 as examples.

SECTION – 'B', Attempt any four questions

Q5. A computerized ticket counter of an underground metro rail charges for each ride at the following rate :   (15)

Age	Amount
18 or above	Rs. 5.00
5 or above but below 18	Rs. 3.00
below 5	Nil

At the end, the program should detail the:
(a)number of passengers in different age groups
(b)total number of people who travelled in one ride.

Q6. W.a.p. to calculate and print the sum of odd numbers and sum of even numbers for n input natural numbers.   (15)

Q7. Write a Java program to display the following output :
```
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1                                (15)
```

Q8. Write a Java program to display the following output :
```
Z
Y Z
X Y Z
Y Z
Z                                        (15)
```

Q9. W.a.p. in Java to input the basic salary of 150 persons. Each one of them gets 25% of basic as HRA, 15% of basic as conveyance allowance and 10% of basic as entertainment allowance. The total salary is calculated by adding HRA, conveyance and entertainment allowance. Calculate how many out of 150 get salary above Rs. 3,000 and also print the total salary of each person. (15)

Q10.(a) Read the following segment of the Java program and answer the questions :

`int n = 12345; int r , s=0;`
`while (n!=0)`
`{`
`r = n%10;`
`n=n/10;`
`s=s+r;`
`}`
	(i) What is the meaning of while (n!=0) ?
	(ii) What exactly is happening in each line of the program segment ?
	(iii) What is the output of this program segment ? (2,2,2)
	
	(b) W.a.p. in Java to check largest of 3 numbers without using if-else construct. (9)