Class IX COMPUTER SCIENCE (THEORY), Final Examination-March 2011,

SECTION- 'A', Attempt all questions

Q 1. (a) What are escape characters used in Java? Give any two examples. (b) Differentiate between chart sheet and embedded chart? (c) Write any four components of a chart. (d) How can transitions be added to a presentation? (e) State two jump statements in java. [5x2]	Q 2. Differentiate between: (a) Iteration and selection statements. (b) Slide view and slide show. (c) Interpreter and compiler. (d) Relative reference and absolute reference to a cell. (e) Bar and Line chart. [5x2]

Q 3. (a) Fill in the blanks.(Do not copy the sentence)
 (i) _____are the named locations where values are stored, in a Java program.
(ii) The smallest location to store a value in a spreadsheet is called a _____.
(iii) In Java, omission of "break" in switch-case leads to _____.
(iv). Powerpoint presentations are given the extension _____.
(v) Area and pie are examples of _____ . [5]
(b) State True or False (Do not copy the sentence)
(i) An "else" can have many "if" in a Java code.
(ii) Java programs are compiled into bytecode.
(iii) #REF refers to a deleted cell formula.
(iv) The chart area is the background of the chart.
(v) By pressing shift key one can select non continuous slides. [5]
	Q4. State and reason the output of the following code segments:
	 (a) char ch='B';
	            int n= ch++;
	            System.out.println(n+"\t"+ch);
	
	(b) int x=12;
	            while(x>2)
	            {
	             x--;
	                        if(x%3==0)
	                                    continue;
	                        else
	                                    S.o.pln(x);
	            } [5x2]

SECTION- 'B', Attempt any four questions, (Note: Write the java programs with mnemonic names, indentation and remarks)

Q 5. Write a java program, to display the first six numbers of the given series and their sum:
    1 12 123   1234   12345   [15]

Q6. Write a program to input ten integer values and display the largest and smallest values among them. [15]

Q 7. Write a JAVA program using switch case to give the following options to the user:-
        If choice is 1, display the factors of an input integer.
        If choice is 2, check if the input character is an uppercase letter.   [15]

Q 8 (a) Write a java program to display the sum of digits of an input integer.
 (b)   Write any three functions used in MS Excel with examples.   [9, 6]

Q 9. Write a program to input marks in five subjects, where the max. marks are 100 for each.
        Calculate the percentage and display the grade as per the following conditions:
        Percentage   Grade
        Above 80%   A
        61 to 80%   B+
        40 to 60%   B
        Less than 40%   C   [15]