

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

SECTION- 'A', Attempt all questions

<p>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]</p>	<p>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]</p>
<p>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]</p>	<p>Q4. State and reason the output of the following code segments:                  (a) <pre>char ch='B'; int n= ch++; System.out.println(n+"\t"+ch);</pre>                  (b) <pre>int x=12; while(x&gt;2) {     x--;         if(x%3==0)             continue;         else             S.o.pln(x); }</pre> [5x2]</p>

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]