

00461

**BACHELOR IN INFORMATION TECHNOLOGY****Term-End Examination****December, 2011****CSI-03 : SOFTWARE CONSTRUCTION AND  
TOOLS***Time : 2 hours**Maximum Marks : 60*

**Note :** *All questions from Section-A are compulsory. Answer any two from Section-B. All objective questions carry one mark each.*

**SECTION - A**

1. (a) Macro name is of : 10
- (i) 254 characters
  - (ii) 56 characters
  - (iii) 256 characters
  - (iv) 15 characters
- (b) Which of the following is not a database functions ?
- (i) DCOUNT ( )
  - (ii) DMIN ( )
  - (iii) DISC ( )
  - (iv) DAVERAGE ( )
- (c) The address of the cell at 27<sup>th</sup> columns and 30<sup>th</sup> rows in excel will be written as :
- (i) 2730
  - (ii) AB 27
  - (iii) AD 27
  - (iv) AA 30

- (d) How would you undo the last action performed in an excel spreadsheet ?
- (i) Control, ←
  - (ii) Alt, ←
  - (iii) Shift, ←
  - (iv) Alt, Z
- (e) How would you select an entire excel sheet ?
- (i) Control - L                      (ii) Alt - S
  - (iii) Control - S                    (iv) Control - A
- (f) The default alignment for numeric data in an Excel sheet is
- (i) None                              (ii) Left
  - (iii) Right                            (iv) Centre
- (g) Public variables within an inner class are visible
- (i) To all methods in the inner class only
  - (ii) To all methods in the outer class only
  - (iii) Both (a) and (b)
  - (iv) Neither (a) nor (b)
- (h) Which of the following is automatically imported into all Java programs ?
- (i) Java.until                      (ii) Java.math
  - (iii) Java.applet                    (iv) Java.lang

- (i) Java is \_\_\_\_\_ programming language
- (i) procedure oriented
  - (ii) functional oriented
  - (iii) object oriented
  - (iv) concurrent
- (j) Abstract modifier can be applied to
- (i) Classes
  - (ii) Methods
  - (iii) Classes and methods
  - (iv) Classes, variables and methods

2. Explain the following terms :

20

- (a) Abstraction
- (b) Constructors
- (c) Macro
- (d) Worksheet
- (e) Array
- (f) Pie Chart
- (g) Final class
- (h) Conditional Formatting

## SECTION - B

3. Answer the following questions : 15
- (a) Describe the various addressing modes supported in excel.
  - (b) Describe the difference between method overloading and overriding a method.
  - (c) What is pivot table in Excel ? Explain the various types of pivot table in worksheet.
4. (a) Write a Java program to calculate a factorial of a number recursively. 6
- (b) What is function in Excel ? How is it categorized ? How does it help in worksheet ? Give one example with explanation. 9
5. Differentiate between the following : 15
- (a) Finalize and Finally block
  - (b) Protected and Private
  - (c) This and Super keyword
  - (d) Instance variable and class variable
  - (e) Throw and throws
-