[4918]-305

T.Y. B.Sc. (Computer Science) (Third Semester) EXAMINATION, 2016

CS-335 : PROGRAMMING IN JAVA-I

Paper V

(2013 PATTERN)

Time : Two Hours　　　　　　　　　　　　**Maximum Marks : 40**

N.B. :— (*i*) *All* questions are compulsory.

　　　　(*ii*) Figures to the right indicate full marks.

　　　　(*iii*) Neat diagrams must be drawn wherever necessary.

1.　Attempt *All* of the following :　　　　　　　　　　[10×1=10]

　(*a*)　Define final variable with an example.

　(*b*)　List any *four* layout managers.

　(*c*)　What is 'this' ? Give example.

　(*d*)　Name any *four* tags of Javadoc.

　(*e*)　Write any *two* advantages of inner class.

　(*f*)　What is Applet Viewer ?

　(*g*)　What is the basic difference between 'throw' and 'throws' keywords.

　(*h*)　"Super keyword is used by subclass to refer its immediate superclass." State true or false. Justify.

　(*i*)　Define AWT and swing.

　(*j*)　Give *two* ways to create string object with an example.

P.T.O.

2. Attempt any *two* of the following : [2×5=10]

(a) Explain features of Java in detail.

(b) Write a note on Garbage collection.

(c) Write a Java program to set background colour of dialog box using Jcolor chooser.

3. Attempt any *two* of the following : [2×5=10]

(a) Write a Java program to illustrate multilevel inheritance such that state is inherited from country. City is inherited from state. Display the areas, city, state and country.

(b) Write a Java program to count number of whitespace character in character stream.

(c) Explain various ways to read input string from console or keyboard.

4. Solve A *or* B of the following :

(A) (a) Write a Java program to copy a file to another file. Use proper error handler to handle runtime exception. File names are accepted as argument from command prompt. [5]

(b) Explain different types of streams. [3]

(c) Define anonymous class. [2]

Or

(B) (a) Write a note on applet life cycle. [5]

(b) Explain object cloning with *one* example. [3]

(c) What is an event ? What is an event handling ? [2]