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T.Y. B.Sc. (Third Semester) EXAMINATION, 2018

COMPUTER SCIENCE

Paper-V

CS : 335 Programming in Java-I

(2013 PATTERN)

Time : Two Hours

Maximum Marks : 40

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

(ii) Figures to the right indicate full marks.

(iii) All questions carry equal marks.

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

(a) What do you mean by jdb ?

(b) List any *two* methods of object class.

(c) When we declare a method or class final ?

(d) How print() is differ from print() method ?

(e) Define unchecked exception.

(f) What is meant by Garbage collection ?

(g) Explain the use of repaint ().

(h) Write a syntax of JFileChooser class.

(i) Which method is used to compare values of 2 string objects ?

(j) Why swing objects are called as light weight components ?

P.T.O.

2. Attempt any *two* of the following : [2×5=10]
- (a) Differentiate between Java & C++.
 - (b) How do we design, create and access a package in java ? Discuss with suitable example.
 - (c) Write a program in java to create a screen which contains three checkboxes (.net, php, java) and displays the selected items in a textbox.
3. Attempt any *two* of the following : [2×5=10]
- (a) What is runtime polymorphism ? How is it implemented in java ? Give suitable example.
 - (b) Write a java program which display the contents of file in reverse order.
 - (c) Write a java program to find second smallest element in an array.
4. Attempt any *one* (either A *or* B) of the following : [10×1=10]
- (A) (a) What are user-defined exceptions ? Illustrate them with an example. [5]
 - (b) What is difference between string and string buffer class. [3]
 - (c) Explain the use of this keyword in java. [2]
- Or*
- (B) (a) Create an applet which contains three radio buttons red, green and blue and change the background color to the selected color. [5]
 - (b) Explain 2 types of Inheritance with suitable example. [3]
 - (c) What is use of layout manager ? Explain any *one* layout manager ? [2]