No. of Printed Pages: 4



BACHELOR OF COMPUTER APPLICATIONS

(BCA) (Pre-Revised)

00605

Term-End Examination

June, 2018

CS-74 : INTRODUCTION TO INTERNET PROGRAMMING

Time : 2 hours

Maximum Marks : 60

Note : Question number **1** is **compulsory**. Attempt any **two** questions from the rest.

1.	(a)	Explain	the	following	keywords	with
		examples :		•		4×3=12

- (i) extends
- (ii) synchronized
- (iii) protected
- (iv) implements

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1

P.T.O.

(b)

The following program is in file Test.java. What would be the output of compiling and running this program ?

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public class Test {

public static void main (String st[])

String S1 = "java"; String S2 = "java"; String S3 = "JAVA"; S2.toUpperCase(); S3.toUpperCase(); boolean b1 = S1 == S2; boolean b2 = S1 == S3; System.out.println(b1); System.out.println(" " + b2);

- (c) Write an Applet showing the sequence of method executed during the life-cycle of an Applet.
- (d) If you run the code below, what gets printed out?

String S = new String ("Bicycle");

int iBegin = 1;

}

}

char iEnd = 3;

System.out.println(S.substring(iBegin, iEnd));

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2

- (e) What is a Method ? How is a method defined in Java ? Explain with appropriate Java code. 5 (f) What happens if an abstract modifier is applied to a class? Explain. 4 (a) How are thread priorities used in Java? Explain with a suitable example. 5 (b) Differentiate between call-by-value and call-by-reference with the help of suitable examples. 6 (c) What is a Java Package and how is it used? 2 (d) How is super() used with constructors? 2 Explain the concept of an interface. What is (a) the scope and nature of variables and methods defined in an interface? 4 (b) What is Typecasting ? Write the syntax to
 - convert strings to numbers in Java and explain.
 - (c) What is the method of retrieval of colour of the text ? Write a program to retrieve RGB values in a given colour.

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2.

3.

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P.T.O.

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- 4. (a) What do you mean by a Layout Manager? Explain Grid Layout with an example.
 - (b) What is the difference between a constructor and a method ? Explain with an example.
 - (c) State the purpose of Finalize() method in Java. With an example, explain how the Finalize() method can be used in a Java program.
- (a) What is meant by Stream ? What are the types of streams and classes ? Explain in detail.
 - (b) Why do we need both run() and start() methods ? Can we achieve it with only run() method ?
 - (c) Write a program to accept two numbers at the command line and print out their product.

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1,200

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