		INTERNAL ASSIGNMENT - 1
Course	BCA	Java Programming
Semester	5	
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

A. Differentiate between ArrayList and Vector. List the methods of Stack class.

B. Write a Java program to create AWT radio buttons using check box group.

C. Write a runtime polymorphism program in Java by using interface reference variable.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

A. What is an adapter class? What is their role in event handling?

B. The various event listener interfaces.

C. drawRect()

D. The hierarchy for swing components.

E. The applications of object-oriented programming.

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

A. Explain the life cycle of an applet. What are the various layout managers used in Java?

B. What is the difference between a thread and a process? How to achieve synchronization among threads? Write suitable code.

C. Explain delegation event model.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

A. charAt()

B. What are the advantages of multithreading?

C. What is the use of super keyword?

D. replace()

E. Why java is not 100% object-oriented language?