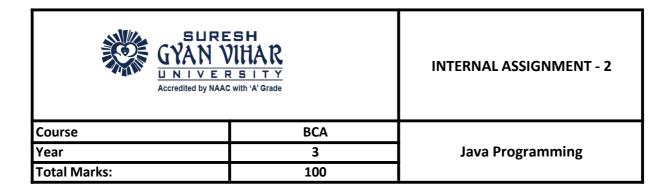


Q.1.	Write answers for any two	questions from below.	(20 marks each – Wo	ord limit – 500)
------	---------------------------	-----------------------	---------------------	------------------

- **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 (5 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.



Q.1.	Write answers for any two	questions from below.	(20 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 (5 mark each Word limit 100)
- A. charAt()
- **B.** What are the advantages of multithreading?
- **C.** What is the use of super keyword?
- **D.** replace()