**Q1) Attempt any EIGHT of the following : [8 × 1 = 8]**

**a) Define exception**

**b) Define Interface**

**c) What is javadoc?**

**d) What is AWT?**

**e) What is use of static keyword?**

**f) What is command line argument?**

**g) List the types of constructor.**

**h) What is package?**

**i) How to open a file in read mode?**

**j) List any two listener.**

**Q2) Attempt any FOUR of the following : [4 × 2 = 8]**

**a) List any two methods of string buffer class.**

**b) What is use of 'throw' keyword.**

**c) Differentiate between final and finally keyword.**

**d) What is method overloading?**

**e) What is anonymous inner class?**

**Total No. of Questions : 5]**

**[Total No. of Pages : 2**

**[5823]-505**

**T.Y. B.Sc. (Computer Science)**

**CS-355 : Object Oriented Programming Using Java - I**

**(2019 Pattern) (CBCS) (Semester - V) (Paper - V)**

**Time : 2 Hours] [Max. Marks : 35**

**Instructions to the candidates:**

**1) All questions are compulsory.**

**2) Figures to the right indicate full marks.**

**P5153**

**SEAT No. :**

**P.T.O.**

**[5823]-505 2**

**Q3) Attempt any TWO of the following : [2 × 4 = 8]**

**a) Write a Java program using AWT to change background color of**

**table to 'RED' by clicking on button.**

**b) Write a Java program to copy content from one file into another file,**

**while copying digits are replaced by '\*'.**

**c) Define an interface shape with abstract method area( ). Write a Java**

**program to calculate area of rectangle.**

**Q4) Attempt any TWO of the following : [2 × 4 = 8]**

**a) Write a Java program to accept a number from user. If it is zero then**

**throw user defined exception "Number is zero". Otherwise calculate**

**its factorial.**

**b) Explain uses of super-keyword with suitable example.**

**c) Differentiate between AWT and swing.**

**Q5) Attempt any ONE of the following : [1 × 3 = 3]**

**a) Write a Java program to count number of vowels from given string.**

**b) Explain the features of Java.**

****