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SEAT No. :

P5153

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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.*

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?

P.T.O.

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.

