

Total No. of Questions : 5]

SEAT No. :

**PB1887**

[6237]-505

[Total No. of Pages : 2

**T.Y. B.Sc.**

### **COMPUTER SCIENCE**

### **CS-355 : Object Oriented Programming Using Java - I (Revised 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) What is the purpose of Javap?
- b) List any two datatypes in java.
- c) Write the purpose of this keyword.
- d) What is the use of tostring ()?
- e) Write the use of abstract keyword.
- f) Define interface.
- g) List any two Reader Classes.
- h) How to check end of file?
- i) What is panel?
- j) Give the names of any two Layout Managers.

**Q2)** Attempt any FOUR of the following.

**[4×2=8]**

- a) Differentiate between method overloading and method overriding.
- b) State any four access specifiers in Java.
- c) What is Marker interface?
- d) What is Exception? List its any two types.
- e) What is Swing? How it is differ from AWT?

**P.T.O.**

**Q3)** Attempt any TWO of the following.

**[2×4=8]**

- a) Write a java program to display contents of file in reverse order.
- b) Write a java program using swing to accept student details (rno, name, percentage) and display it by clicking on a button.
- c) Define abstract class 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 employee name from user, if it is not valid then throw user defined exception “InvalidName” otherwise display a name.
- b) What is Layout Manager? Explain it with example.
- c) Explain the uses of final keyword with example.

**Q5)** Attempt any ONE of the following:

**[1×3=3]**

- a) Explain the features of Java.
- b) Explain event delegation model in Java.

