

Total No. of Questions : 5]

SEAT No. :

PA-1027

[Total No. of Pages : 3

[5902]-55

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

CS - 355 : OBJECT ORIENTED PROGRAMMING USING  
JAVA - I

(2019 Pattern) (Semester - 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 : (out of ten)

[8 × 1 = 8]

- a) What is use of Javac?
- b) Give the name of any two wrapper classes.
- c) What is use of 'implements' keyword?
- d) List types of constructor.
- e) What is use of Array?
- f) Give the name of any two listeners.
- g) What is exception?
- h) Give the syntax of ends with( ) method?
- i) What is package?
- j) What is use of new operator?

Q2) Attempt any FOUR of the following. (Out of Five)

[4 × 2 = 8]

- a) 'When constructor of class will be called?' Comment.
- b) What is command line argument? Where they are stored in a program.

P.T.O.

- c) What is Frame? Give its any two methods.
- d) Differentiate between method overloading and method overriding.
- e) Write any two access specifiers.

**Q3)** Attempt any two of the following. (Out of Three)

[2 × 4 = 8]

- a) Define an interface shape with abstract method area( ). Inherit interface shape into the class traingle. Write a Java Program to calculate area of Triangle.
- b) Design the following screen by using swing.

Student details		-	□	×
Roll No.	<input style="width: 80px;" type="text"/>			
Name	<input style="width: 150px;" type="text"/>			
Percentage	<input style="width: 100px;" type="text"/>			
<input style="width: 80px;" type="button" value="Display"/>	<input style="width: 80px;" type="button" value="Clear"/>			

Write a Java program to accept the details of student & display an console by clicking on Display button. Clear button should clear all the controls.

- c) Write a Java Program to copy the contents form one file into another file. While copying, change the case of cell the alphabets & replace all the digital by '\*'.

**Q4)** Attempt any two of the following. (out of Three)

[2 × 4 = 8]

- a) Differentiate between AWT & Swing.
- b) Define user define exception zeronumber Exc. Write a Java program to accept a number from user. If it is zero then throw user define exception "Number is zero" otherwise calculate the sum of first & last digit of given number. (use Static Keyword).
- c) Write a Java program to accept n number from user & store only perfect numbers into array & display that array.

**Q5)** Attempt any ONE of the following. (out of Two)

**[1×3=3]**

- a) Explain uses of final keyword with example.
- b) Define a class Emp with a member Eid and display() method, inherit Emp class into the Emp Name class, Emp Name class having a member Ename & display ( ) method. Write a Java program to accept details of employee [Eid, Ename] & display it. (Use super keyword).



SPPUQuestionPapers.com