

Total No. of Questions : 5]

SEAT No. :

P-1304

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[6055]-305

T.Y. B.Sc.

COMPUTER SCIENCE

**CS-355: Object Oriented Programming using Java - I
(2019 Pattern) (Semester - V) (CBCS) (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 javadoc?
- b) What are command line argument?
- c) Define Constructor.
- d) List any two wrapper classes.
- e) Write the use of extends key word.
- f) Define functional interface.
- g) List any two unchecked exception.
- h) How to open file in read mode?
- i) What is AWT?
- j) Give the names of any two Adaptor class.

P.T.O.

Q2) Attempt any FOUR of the following :

[4 × 2 = 8]

- a) Differentiate between String and StringBuffer class.
- b) State any four features of java.
- c) What is polymorphism? How to implement it at compile time?
- d) How to define and handle user defined exception?
- e) What is listener? How to inherit it in program?

Q3) Attempt any TWO of the following :

[2 × 4 = 8]

- a) Write a java program to copy the content from one file to another file, while copying change the case of alphabets.
- b) Write a java program using swing to accept details of employee (eno, ename, esal) 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 circle.

Q4) Attempt any Two of the following :

[2 × 4 = 8]

- a) Write a java program to give Red colour at the background of TextField by clicking on a button.
- b) Explain the uses of super keyword with example.
- c) What is string? Explain its any three method with an example.

Q5) Attempt any ONE of the following :

[1 × 3 = 3]

- a) Explain the execution process of java program.
- b) Explain MVC architecture in details.

