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T.Y.B.Sc.

COMPUTER SCIENCE

CS - 355 : Object Oriented Programming Using Java - I

(Revised 2019) (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) A final keyword can not be overriden state true/false and justify.

     b) Give the types of access specifiers.

     c) Differentiate between Scanner and Buffered Reader class.

     d) What is Layout Manager?

     e) Write the purpose of this keyword.

     f) List any two types of checked Exception.

     g) What is listener ? State any two Listeners.

     h) What are command line arguments?

     i) Differentiate between throw and throws keyword.

     j) Write the purpose of jab.

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

     a) What is constructor? List its types.

     b) Differentiate between class variables and instance variables.

     c) Write the purpose of abstract keyword.

     d) Which class and interface are at topmost position in Exception hierarchy.

     e) Give the syntax of J File Chooser class.

P.T.O.

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

    a)   Write a java program to delete the files having extension. txt. (Use command line arguments)

    b)   Write a java program using swing to accept the details of project (PID, P Name, duration) from user and display it by clicking on a button.

    c)   Define an abstract class Shape with abstract method area ( ). Write a java program to calculate area of Triangle.

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

    a)   Write a java program to change the text color of Lable to Red by clicking on a button.

    b)   What is inheritance? Explain multilevel inheritance with an example.

    c)   How to create and access package in a program? Explain with an example.

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

    a)   Explain the structure of java program.

    b)   Explain different types of Dialog Box with an example.

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