B.E./ B. TECH DEGREE EXAMINATION
CONTINUOUS ASSESSMENT TEST- I
(Common to CSE and IT)

Subject : Object Oriented Programming **Duration : 10 to 11.30am**
Subject code : CS8392 **Date : 20.08.2020**
Year/ Sem : II/III **Max. Marks : 50**

PART-A (5*2=10)
Answer all questions

1.	Describe about Encapsulation, Inheritance and Polymorphism.	(U)	[CO1]
2.	List the various access specifiers supported by OOPS.	(R)	[CO1]
3.	What is a default constructor? Illustrate.	(A)	[CO2]
4.	Examine the importance of Inheritance.	(A)	[CO2]
5.	Summarize any four Java doc comments	(E)	[CO1]

PART-B (2*13=26)
Answer the questions

1. a). Explain OOPS and its features. (3) (E) [CO1]

b). Describe variables and operators in Java. (10) (R) [CO1]

(OR)

a). What is meant by constructor? Discuss the types of constructor with example. (13) (U) [CO2]

2. a). Define Arrays. What is array sorting and explain with an example. (10) (U)[CO1]

b). Summarize about access specifier in Java. (3) (U)[CO1]

(OR)

a). Illustrate what is meant by package? How its types are created and implemented (10)(E) [CO2]

b). Illustrate the working principles of Java Virtual Machine. . (3) (E) [CO2]

PART-C (1*14=14)
Answer the questions

5. a). Consider a class student .Inherit this class in UG Student and PG Student. Also inherit students into local and non-local students. Define five Local UG Students with a constructor assuming all classes have a Constructor (14) (E) [CO1]

********** ALL THE BEST **********

COURSE OUTCOMES (CO)

At the end of the course the students will be able to

Course Outcomes	CS8392- Object oriented programming
CO1	Develop Java programs using OOP principles
CO2	Develop Java programs with the concepts inheritance and interfaces
CO3	Build Java applications using exceptions and I/O streams
CO4	Develop Java applications with threads and generics classes
CO5	Develop interactive Java programs using swings
CO6	design and build simple Graphical User Interfaces