

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (CS) (2013 & Onwards) (Sem.–5)

PROGRAMMING IN JAVA

Subject Code : BCS-505

M.Code : 72578

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A**1. Answer briefly :**

- a) Define JAVA and Internet.
- b) What is difference between C and Java?
- c) What is Java virtual machine?
- d) Discuss Method Overloading.
- e) What is meant by Abstract Method.?
- f) How Array is declared in Java?
- g) Write a short note on Final Class.
- h) What is Exception handling?
- i) Describe the types of Errors.
- j) Define Applet.

SECTION-B

2. Explain the major benefits of object oriented programming. Explain object oriented paradigm.
3. Write the sample java code to explain the working of visibility controls —public access, friendly access, protected access, private access.
4. Explain Interfaces. Write a program to implement interfaces.
5. Explain the working of the exception handling mechanism in java? Write sample code to throw an exception and handle it with multiple catch statements.
6. Explain Event Delegation Approach in detail.
7. What is package? How to create, access and use a package explain with help of example?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.