Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

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B.Sc. (IT) (2013 & 2014)   (Sem.–4)
CORE JAVA PROGRAMMING
Subject Code : BS-202
M.Code : 12518

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION 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 a student has to attempt any FOUR questions.

SECTION-A

Q1 Answer briefly :

   a. Define Abstraction.

   b. What is encapsulation?

   c. Name any two benefits of OOPs.

   d. "Java is Portable". Comment on the statement.

   e. What are literal?

   f. What is type casting?

   g. Discuss the use of Dot operator.

   h. Write the syntax of For-Loop.

   i. Define the term overriding,

   j. What are access specifiers?

SECTION-B

Q2 What is Object Oriented Programming? What are major differences between C++ and Java? Explain.

Q3 What are operators? Differentiate between relational and logical operator by taking some suitable example.

Q4 Explain the following concepts :

a.   Multi-Level Inheritance.

b.   Wrapper Class.

Q5 a. What are interfaces? Illustrate by writing a code snippet.

b. Write a program to create a Package. Also access its members.

Q6 a. Differentiate between compile time and runtime error.

b. Write a Java Code to demonstrate Applet.

Q7 What is Graphics Programming? Explain line and rectangle drawing using Java Code snippet.

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.