Roll No.   Total No. of Pages : 02

Total No. of Questions : 16

B.Sc. (IT) (2015 & Onward)   (Sem.–5)
PROGRAMMING IN JAVA
Subject Code : BSIT-502
M.Code : 74376

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.
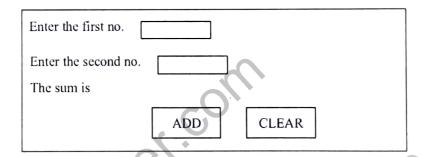
SECTION-A

Answer briefly :

1. What is Object Oriented Programming? What do you understand by the term abstraction in object oriented programming?

2. Explain what makes Java as platform independent language?

3. What is type casting?

4. What is a final class?

5. What is the role of static members? Give suitable example code.

6. What are zagged arrays? Give example.

7. What is the utility of interfaces in java?

8. How an error is different from exception?

9. What is an applet? Discuss in brief.

10. What is delegation event model?

SECTION-B

11. Explain different types of looping statements used in java programming. Write a program in Java which enters five numbers in an array using command line arguments and print sum and average of the numbers.

12. What is exception handling? How multiple exceptions are caught in a single program? Write a program to demonstrate the use of user defined exception.

13. What are the benefits of using packages? Write down the steps in creating a package and using it in a Java program with an example.

14. Write a java program to enter two numbers and print its sum as shown below in diagram.

15. What is FileInputStream and FileOutputStream? Explain in brief. Write a java program to copy the contents of one text file to another.

16. How an Applet is created? Describe the Applet Life Cycle. How Applet are different from standalone java application programs?

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.