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

Total No. of Questions : 18

B.Tech. (IT) (2012 to 2017)   (Sem.–5)

PROGRAMMING IN JAVA
Subject Code : BTIT-502
M.Code : 70595

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answer briefly :

1) Why Java is called platform independent language?

2) What is abstract class?

3) What is a reference variable in java?

4) What is the purpose of garbage collector in java?

5) What is the need of super keyword?

6) What is run time exception? Give example.

7) What is the difference between process and a thread in java?

8) What is JDBC?

9) Define server socket.

10) What are command line arguments in java?

SECTION-B

11) Write a program in java to print first five elements of a Fibonacci series using for loop.

12) What is multithreading? How java implements its thread model?

13) Write a program in java to copy the string from one file into another file.

14) Explain briefly about the access modifiers in java and their usage.

15) Write a program to demonstrate the different types of inheritance in java.

SECTION-C

16) What is exception handling? Discuss different types of exceptions and Write a java program to illustrate the use of try and multi-catch statement.

17) What are different types of operators used in java? Write a program in java to demonstrate the concept operator precedence.

18) a) Write a short note on :

    a. Applet

    b. Importing of package

    c. "this" keyword

   b) Write a short note on :

    a. Method overloading

    b. Finalize method

    c. Type casting

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.