

**S.Y.B.Sc IT
SEMESTER IV
CORE JAVA**

04/3/20

TIME: 2 ½ HOURS

MARKS: 75

N.B: ALL QUESTIONS ARE COMPUSORY
FIGURES TO THE RIGHT INDICATE FULL MARKS.

Q.1 ANSWER THE FOLLOWING (ANY THREE):

15

- A) Describe Java components
- B) Describe the JVM
- C) Explain the Java compiler
- D) Explain the comments in Java
- E) Describe increment operator in Java
- F) Explain logical operators in Java



Q.2 ANSWER THE FOLLOWING (ANY THREE):

15

- A) Describe the nested if .. else statement with the help of Java program
- B) Describe the do... while loop, with the help of Java program
- C) Explain the continue statement, with the help of Java program
- D) Explain the method overloading, with the help of Java program
- E) Describe super instance with the help of Java program
- F) Explain the static fields of a class, with the help of Java program

Q.3 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):

15

- A) Default base class constructors
- B) This keyword
- C) Implementing multiple interfaces
- D) Abstract function
- E) Creating package
- F) Default packages in Java

Q.4 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):

15

- A) Arrays in Java
- B) Searching elements to vectors
- C) Creating Thread
- D) Multiple exceptions in Java
- E) Writing binary data
- F) Reading console input

Q.5 WRITE SHORT NOTES ON FOLLOWING (ANY THREE):

15

- A) Event listener interfaces
- B) Inner classes
- C) Menus
- D) Text fields
- E) Grid layout
- F) Border layout