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| **Subject Code 18PC1IT03** |  |  |  |  |  |  |  |  | **R18** |

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(AUTONOMOUS)

B.Tech. II Year II Semester Supplementary Examinations, August 2021

**JAVA PROGRAMMING**

(Common to CSE and IT)

**Time: 3 hours Max. Marks: 60**

Answer any **FIVE** questions

All Questions carry **EQUAL** marks

**5X12=60**

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1. a) Explain the features of JAVA language.

b) Write a JAVA program to demonstrate break and continue statements.

1. a) Differentiate Overloading and Overriding in JAVA

b) List and explain types of constructors in JAVA

1. a**)** What is a package? How to create package? Explain with suitable example.

b) Differentiate throw and throws keywords in JAVA

1. a) What is static keyword and how to use static keyword in JAVA? Explain with examples.
2. What is inheritance? Write a Java program to develop simple inheritance.
3. What are the different Collection objects? Discuss in detail.

1. a) With neat diagram explain Thread life cycle.

b) What are the advantages of I/O Streams?

1. a) Explain the steps to develop a JDBC program.

b) Differentiate Statement and PreparedStatement interfaces.

1. a) Write a program to print your name by creating three Threads using multithreading concept in JAVA.

b) Write a program to read and print n numbers using ArrayList.

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