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Roll No.

333514(33)

B. E. (Fifth Semester) Examination, 2020

APR-MAY

(Old Scheme)

(IT Branch)

INTRODUCTION to JAVA

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) from each question is compulsory. Attempt any two parts from parts (b), (c) and (d) of each question.

Unit-I

1. (a) What is byte code?

2

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- (b) Explain the features of object oriented programming. 7
- (c) What is garbage collection? Explain with program. 7
- (d) What are the different data type uses in Java. 7

Unit-II

- 2. (a) What is a "Clau" in Java? 2
- (b) What is final keyword? Explain its use with suitable program. 7
- (c) Write a program for method over loading and method over riding. 7
- (d) Explain abstract class with suitable program. 7

Unit-III

- 3. (a) What is "Exception"? 2
- (b) Explain different string methods with program. 7
- (c) Write a program with try-catch to show arithmetic Exception. 7
- (d) Explain vector with suitable example. 7

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Unit-IV

- 4. (a) What is multithreading? 2
- (b) Explain thread life cycle. 7
- (c) How we can create a thread? 7
- (d) Explain thread priority with suitable program. 7

Unit-V

- 5. (a) What is Event handling? 2
- (b) Explain applet life cycle. 7
- (c) What is callable statement and prepared statement? 7
- (d) Explain different JDBC-ODBC driver. 7