

TDC Even Semester Exam., 2019

COMPUTER APPLICATION

( Honours )

( 4th Semester )

Course No. : BCAC-401

[ Object-oriented Programming (Java) ]

*Full Marks : 35*

*Pass Marks : 12*

*Time : 2 hours*

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, selecting **one**  
from each Unit

UNIT—I

1. What are the features of Java programming language? Explain. 7
2. (a) Java is a platform independent language. Why? Give your comments. 3

J9/1421

( Turn Over )

- (b) Write a program to implement the following operations on one-D array : 2+2=4

- (i) Searching for an array value
- (ii) Insertion of a value into an array

UNIT—II

3. Write a program to implement multilevel inheritance using super() keyword. 7
4. Write a program to implement method overloading and constructor overloading. 3+4=7

UNIT—III

5. (a) What do you mean by thread? How many ways are available to create a thread? Also give your comments which way is better than other. 2+2=4
- (b) Write a program to create a thread using runnable interface. 3
6. Explain the following with code : 4+3=7
- (a) Throw
- (b) Throws

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( Continued )

( 3 )

UNIT—IV

7. (a) What are the requirements of a layout manager? 2
- (b) Write a program to create checkbox, list, choice AWT components using an applet. 5
8. Explain various methods to create an applet. 7

UNIT—V

9. Explain Java database connectivity with a suitable Java code in detail. 7
10. Write short notes on the following : 4+3=7
- (a) ODBC
- (b) SQL schema

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