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Code : 15CS42T

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IV Semester Diploma Examination, April/May-2017

OOP with JAVA

Time : 3 Hours]

[Max. Marks : 100

- Note :** (i) Answer any **six** full questions from Part – A.
(ii) Answer any **seven** full questions from Part – B.

PART – A

6 × 5 = 30

1. List any five benefits of OOP.
2. Write and explain a simple Java program.
3. Describe the general form of Java class definition.
4. Compare the string class with the string buffer class.
5. Describe the use of keyword super.
6. Show how to create a package.
7. Explain how to create a thread by implementing runnable interface.
8. Differentiate between abstract class and an interface.
9. Illustrate with example try and catch Block.

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[Turn over

PART – B

7 × 10 = 70

10. Explain with an example the concept of method overloading. 10
11. Explain the features of Java. 10
12. Illustrate with an example program to implement an array of objects. 10
13. Write a Java program to implement interfaces. 10
14. Write the steps for creating a user-defined package. Give an example. 10
15. Explain the Java API packages. 10
16. Explain how to assign priorities to threads with an example. 10
17. Develop a program to implement the concept of threading by extending thread class. 10
18. Illustrate the different types of errors in a Java program. 10
19. Write a program to implement exception handling by using any predefined exception class. 10

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