

1099**Code : 15CS42T***Register
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IV Semester Diploma Examination, April/May-2019**OOP WITH JAVA****Time : 3 Hours]****[Max. Marks : 100**

- Instructions :** (i) Answer any six questions from PART – A. Each carries 5 marks.
(ii) Answer any seven full questions from PART – B. Each carries 10 marks.

PART – A

1. Explain the different sections of java program structure. 5
2. List any five benefits of OOP. 5
3. Give definition for object and classes with example. 5
4. Explain final classes and finalise methods. 5
5. What is inheritance ? Write different forms of inheritance. 5
6. Compare interface and classes. 5
7. Discuss the various levels of access protection available for packages. 5
8. Compare multithreading and multitasking. 5
9. Discuss exception handling mechanism. 5

PART – B

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| 10. Explain features of java. | 10 |
| 11. Write a program to illustrate default and parameterized constructor. | 10 |
| 12. With an example, explain method overloading. | 10 |
| 13. Explain any five string methods. | 10 |
| 14. Write a program to illustrate the concept of multiple inheritance. | 10 |
| 15. Write a java program to add a class to a package. | 10 |
| 16. Describe life cycle of a thread with a diagram. | 10 |
| 17. Write a program to create threads by extending a thread class. | 10 |
| 18. Write a program to illustrate multiple catch blocks. | 10 |
| 19. (a) Describe the term static import. | 5 |
| (b) Explain nested try statements with an example. | 5 |
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