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IV Semester Diploma Examination, Oct./Nov.-2019

OOP WITH JAVA

Time : 3 Hours]

[Max. Marks : 100

- Instructions :**
- (i) Answer any **six** questions from Part – A, each question carries **5** marks.
 - (ii) Answer any **seven** full questions from Part – B, each question carries **10** marks.

PART – A

5 × 6 = 30

1. List any five advantages of OOP. 5
2. Write a simple Java program illustrate use of mathematical functions. 5
3. Define constructors. List its special properties. 5
4. Explain any five string buffer methods. 5
- Write the general syntax of creating an interface and explain. 5
6. How to create and implement a package. 5
7. Explain how to create thread by extending thread class with an example. 5
8. Describe types of errors with suitable examples. 5
9. Discuss the syntax of exception handling. 5

PART – B

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| 10. | Discuss command line arguments in Java with an example program. | 10 |
| 11. | Explain class definition with fields and methods declaration. | 10 |
| 12. | Write a program to sort N elements of an array. | 10 |
| 13. | Write a program to illustrate Wrapper classes. | 10 |
| 14. | Write a program to implement interfaces. | 10 |
| 15. | Explain Java API packages. | 10 |
| 16. | (a) Discuss the various levels of access protection available for packages. | 5 |
| | (b) Explain static import and how it is usefull. | 5 |
| 17. | Explain Thread creation by implementing runnable interface with an example. | 10 |
| 18. | Explain the life cycle of threads. | 10 |
| 19. | Write a program to illustrate Nested Try statement. | 10 |
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