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**S.E. (E&TC/Electronics) (II Semester) EXAMINATION, 2019**

**OBJECT ORIENTED PROGRAMMING**

**(2015 PATTERN)**

**Time : Two Hours**

**Maximum Marks : 50**

- N.B. :—**
- (i) Attempt Q. No. 1 or Q. No. 2, Q. No. 3 Or Q. No. 4, Q. No. 5 or Q. No. 6, Q. No. 7 or Q. No. 8.
  - (ii) Neat diagrams must be drawn wherever necessary.
  - (iii) Figures to the right indicate full marks.
  - (iv) Use of calculator is allowed.
  - (v) Assume suitable data, if necessary.

1. (a) Explain polymorphism feature of an object oriented programming with suitable example. [6]
- (b) Define the following terms in OOP : [6]
- (i) Class
  - (ii) Object.

*Or*

2. (a) What are different features of object oriented programming language ? [6]
- (b) Write a C++ program to illustrate concept of parametrized constructor. [6]

P.T.O.

3. (a) What are different control statements in Java ? Write a simple Java program using control statements. [7]
- (b) Explain the concept of 'this' pointer with example. [6]

Or

4. (a) Explain different data types in Java. [6]
- (b) Explain the terms with example : [7]
- (i) Static
- (ii) Final.

5. (a) Write a suitable program to explain the concept of super keyword in Java. [6]
- (b) Explain multilevel inheritance in Java with suitable example. [6]

Or

6. (a) How to import package in Java ? Explain with example. [6]
- (b) State the difference between method overloading and method overriding. [6]

7. (a) What are different methods to create thread ? Explain with example. [7]
- (b) How to accept character and string from console ? Explain with example. [6]

Or

8. (a) Draw and explain life cycle of an applet. Differentiate between applet and Java application program. [6]
- (b) What are try and multiple catch exception handling in Java ? Explain with example. [7]