Reg. No. ☐☐☐☐☐☐☐☐☐☐☐☐☐

## Question Paper Code : 31210

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Fifth Semester

Electrical and Electronics Engineering

080280041 — OBJECT ORIENTED PROGRAMMING

(Common to 080230004A – Object Oriented Programming for B.E. (Part-Time) Third Semester Electrical and Electronics Engineering)

(Regulation 2008)

Time : Three hours                                        Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the demerits of OO methodology.

2. Define a pointer variable.

3. What are objects? Give example.

4. Give an example of destructor.

5. Give the uses of abstract base class.

6. Differentiate the concept of overloading and overriding.

7. How will you describe final classes?

8. State the uses of visibility control of variables.

9. Explain a package.

10. List any four Java API packages.

PART B — (5 × 16 = 80 marks)

11. (a)   Give an account of Operators and control flows available in C++.      (16)

Or

(b)   Explain the essential components of Object Oriented Programming.   (16)

12. (a) Explain the types and its uses of different constructors in C++. (16)

Or

(b) Write a C++ program to illustrate the usage of nested inline functions. (16)

13. (a) Write a C++ program to implement hierarchical inheritance. (16)

Or

(b) Write short notes on

(i) Operator overloading (8)

(ii) Function overloading (8)

14. (a) How method overriding is done is java? Give example. (16)

Or

(b) Write about the working of command line arguments. (16)

15. (a) Describe the steps involved in extending an interface. Give example. (16)

Or

(b) Create a student package incorporating their personal, academic, co curriculuar and professional details. (16)

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