Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 11236

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Fifth Semester

Electrical and Electronics Engineering

080280041 – OBJECT ORIENTED PROGRAMMING

(Common to 080230004 A – 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. List the merits and demerits of object oriented programming.

2. Write the various data types used in OOP.

3. What is meant by destructors?

4. Write the syntax of copy constructor.

5. What is meant by abstract base class?

6. Write the advantages of inheritance.

7. Define Java tokens.

8. What is meant by static members in Java?

9. How does string class differ from stringBuffor class?

10. List the JAVA API packages.

PART B — (5 × 16 = 80 marks)

11. (a) Explain in details about object oriented programming paradigm.

Or

(b) Explain the basic control structures used in C++ program with sample program.

12. (a) Explain the features of friendly functions with a suitable program.

Or

(b) With suitable program, explain the concept of dynamic memory allocation and deallocation.

13. (a) Write a C++ program to explain the concept of overloading operators using friend function.

Or

(b) Explain any two types of inheritance with suitable program.

14. (a) Write a JAVA program to determine the sum of the following harmonic series for a given value of n.

$1+1/2+1/3+.......+1/n$

Or

(b) Explain various methods of overriding in JAVA using simple programs.

15. (a) Illustrate the mechanism of adding a class to a package.

Or

(b) Write a JAVA program that accepts a shopping list of five items from the command line and stores them in a vector.

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