

Code No. : 4006

FACULTY OF ENGINEERING AND INFORMATICS

B.E. I Year (Common to all Branches) (Main) Examination

May/June – 2008

PROGRAMMING IN C & C++

Time : 3 Hours]

[Max. Marks : 75

Note : Answer **all** questions of Part – A.
Answer **five** questions from Part – B.

PART – A

1. Explain the block diagram of computer. 2
2. What are high level languages ? Why are they preferred ? 2
3. Why do we need break statement ? 2
4. What is understood by seeing function prototype ? 2
5. What is a header file ? 2
6. Differentiate between a constructor and destructor ? 3
7. What is a structure and how it differ with a union ? 3
8. What is a access specifiers ? 3
9. What is a inline function ? 3
10. What are new and delete operators ? 3

(This paper contains 2 pages)

1

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PART – B (5 × 10 = 50)

11. (a) Explain the evolution of operating system.
(b) Explain why algorithms are needed, with a simple example ?
 12. (a) Explain all storage classes, with examples on each type.
(b) What is meant by sorting arrays ? Give an example on bubble sort.
 13. Explain the concept of searching arrays, give an example on binary searching.
 14. (a) Define a structure in C and give an example.
(b) What is the concept of files ? Give an example.
 15. Explain the concept of function overloading, give an example.
 16. Explain all types of inheritance, with simple examples.
 17. What is the concept of exception handling ?
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