END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER 2013

Paper Code: BCA-209

Subject: Object Oriented Programming
Using C++ (Batch 2011 onwards)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt all questions, including Q.no.1 which is compulsory.
Internal choice is indicated.

(a) Difference between C and C++ (b) Explain the features of OOPs (c) Explain the features of OOPs (d) Give an example of new and delete operators (e) Explain Aggregation (f) Difference between Early binding and Late binding (g) Difference between classification and composition (h) What is Abstract class explain (i) Give an example of Template Class (ji) Give an example of Destructor Q. 2. (a) Explain Function Overloading with example? (b) Explain Constructor with example? (c) Explain Constructor with example? (d) Explain Template Function with example? (d) Explain Template Function with example? (e) Explain Benefits of OOPs? (c) Explain Hultiple Inheritance with example? (d) Explain Multiple Inheritance with example? (d) Explain Namespaces with example? (e) Explain Namespaces with example? (f) Explain Namespaces with example? (g) Explain Namespaces with example? (h) Explain Namespaces with example? (c) Give an example of try and catch block OR (a) Write a short note on Default arguments and how these are use in function call? (b) Difference between Multiple and Multilevel Inheritance with example? (c) Example an example of Unary Operator Overloading? (d) (d) Explain Friend Function with example? (d) Explain Friend Function with example? (e) Explain Friend Function with example? (f) Explain Friend Function with example? (g) Explain Friend Function with example? (g) Explain Prametric Polymorphism with example? (g) Explain Prametric Polymorphism with example? (g) Explain free() and malloc() with example? (g) Explain friend Function with example? (g) Explain friend Function with example? (g) Explain friend Function with example? (g) What is pure virtual function explain with example? (h) What is pure virtual function explain with example? (h) What is generic class explain with example? (h) What is a short note on stream and its types? (h) What is a short note on stream an	Q1.	(2.5x1	10=25)
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