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**Paper Code :DCS-105**  
**Roll No.**

**DCA-5, ADCA-5**  
**1st Year Examination, Academic Batch 2018**  
**Object Oriented Programming & C++**

*Time : 3 Hours ]*

*[ Max. Marks : 100*

*Note. Attempt any **Five** questions. All questions carry equal marks.*

**Q1.** What do you mean by conditional operator? Write a program in C++ to check the input character is vowel or not.

**Q2.** Write some of striking feature of OOPs in detail and also explain some benefits of it with suitable example.

**Q3.** Explain in detail about the Header Files, Pointers, Structures and Preprocessor.

**Q4.** What do you mean by Array? Explain in detail with suitable examples and also explain Array of Object and Array of Pointers.

**Q.5.** What do you mean by data types used in C++? Also define the Relational & Logical Operators?

**Q.6.** What do you mean by Function Overloading? Write a program to find the area of circle & rectangle using function overloading?

**Q.7.** What is Constructor? Discuss the limitations & Advantages of It with an example?

**Q.8.** What do you mean by operator overloading? Write a program to implement the concept of operator overloading?