

**2021**  
**B.A./B.Sc.**  
**Third Semester**  
CORE – 5  
**COMPUTER SCIENCE**  
*Course Code: CSC 3.11*  
(Object Oriented Programming in C++)

**PART-B**  
Total Mark: 30

*Answer the following questions.*

6×5=30

1. (a) State some differences between procedural and Object Oriented Programming 3  
(b) Write a C++ program that evaluates the arithmetic expression:  $\frac{a+b}{c-d}$ . 3
  
  2. (a) What is an inline function? Write a program to illustrate inline functions in C++ class. 1+3=4  
(b) Explain public and private access specifiers for C++ classes. 2
  
  3. (a) What do you understand by operator overloading? 3  
(b) What do you understand by function overloading? 3
  
  4. (a) How does a union differ from a structure? 3  
(b) Explain the use of **typedef** keyword. 3
  
  5. (a) Explain exception handling in C++. 3  
(b) Explain function overriding in C++ 3
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