LEARN LONER

What is Inheritance ? How does inheritance 4. What are destructors? When are they called and what is Total Pages: 04 13. What is exception handling? Which three keywords are Roll No. 5 influence the size and functionality of derived class their utility ? provided in C++ for implementing exception handling ? 43134 BT-3/D-20 5 objects? What are the limitations of exception handling in C++? 10 OBJECT ORIENTED PROGRAMMING 5. Create a template for bubble sort function. 5 PC-CS-203 9. Under what conditions does the dynamic memory Part C allocation become mandatory? Explain with example. 10 Time: Three Hours] [Maximum Marks: 75 Unit I Note: All questions in Part A and Part B are compulsory. Unit III What is a class? What is the relation between an 6. (a) Attempt any four questions from Part C, selecting one object and a class? Write a program which shows question from each Unit. 10. Overload the "addition" operator for the string so that it how to define a class, how to access member adds two strings and return the result. 10 Part A functions and how to create and access objects in 11. Explain the concept of Virtual and Pure Virtual Functions C++?What are inline functions ? with the help of examples. When do we make a virtual Which operator is used to access a class member What is throwing an exception ? function "pure"? What are the implications of making a What is the use of new operator? with respect to pointer ? What does polymorphism mean in C++ language? function a pure virtual function? Explain. 7. (a) What do you mean by type conversion? Give an Under what circumstances overloading using friend example of basic to object conversion. 5×3=15 function becomes necessary? Unit IV (b) What is the difference between early binding and Part B 11. (a) Write a program to update the contents of file using late binding in C++? random access. 2. Explain controlling access function and utility function Unit II (b) What is a Template ? Explain with the help of an with example. example, how to create a function template and a Why should the formal arguments of a copy 3. Why is the "assignment" operator function not inherited? constructor be a reference object ? 5 class template. Explain (5)L-43134 (5)L-43134 3 (5)L-43134 2