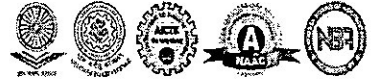




ACE
Engineering College
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Question Paper Code:

CS305PC

ACE-R20

Semester End Examination
II B. Tech- I Semester-MARCH-2022
OBJECT ORIENTED PROGRAMMING USING C++
(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 70

H. T. No

Answer any 5 Questions out of 8 Questions from the following

Q.No	Question	Marks
1. a)	Explain the different types of data types used in C++	5
b)	Explain in detail structure of C ++	9
2. a)	What is constructor? Write about different types of constructors?	7
b)	Explain creation of class and object with an example	7
3. a)	What are virtual functions? Describe the rules for declaring virtual functions?	7
b)	Differentiate between static and dynamic binding	7
4.	Describe the three different inheritance behaviors achieved through the use of pure virtual, ordinary virtual and non virtual functions?	14
5. a)	Distinguish between call by value and call by address with an example	7
b)	What is function overloading? Explain with an example	7
6. a)	Briefly explain classes for file stream operations in C ++?	7
b)	Explain stack unwinding	7
7.	Discuss error handling in file operations	14
8.	Write a C++ program that handles all the exceptions using try, throws, catch	14