**A blue gear with a symbol of a book and a caduceus

Description automatically generatedA logo of a company

Description automatically generatedSIMATS SCHOOL OF ENGINEERING**

**SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES, CHENNAI-602105**

**Department of Cognitive Computing**

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| Course Code | **DSA0166** | Course Name | **Object Oriented Programming with C++ for Encapsulation** |
| Faculty | **S. Raveena** | |  |

**CLASS TEST-1**

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| --- | --- | --- | --- | --- |
| **S.No** | **Questions** | **MARKS** | **CO** | **BTL** |
| **1** | |  |  | | --- | --- | | Find the Square root of a number in C++ using IF-ELSE statement? | | | Sample Input | 1296 | | Sample Output | 36 | | Test Case | 1.64  8 | | 2. 100  10 | | 5 | CO1 | 2 |
| 2 | |  |  | | --- | --- | | Find the Cube root of a number in in C++ using any conditional statements? | | | Sample Input | 9 | | Sample Output | 3 | | Test Case | 8 | | 2 | | 5 | CO1 | 2 |
| 3 | |  |  | | --- | --- | | Write a program to set Nth bit of a number in C++ using control statements, if necessary? | | | Sample Input | Enter Number 13  Enter bit number you wish to set 2 | | Sample Output | Bit set Successfully  Answer: 15 | | 5 | CO1 | 3 |
| 4 | |  |  | | --- | --- | | Write a Program to find power of any number in C++? | | | Sample Input | Input the base: 23  Input the exponent: 4 | | Sample Output | Sample Output 279841 | | 5 | CO1 | 3 |