P131/CMP503/EE/20230115

Time : 3 Hours **Marks : 80**

Instructions :

1. All Questions are Compulsory.

2. Each Sub-question carry 5 marks.

3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.

4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. Solve any **four** sub-questions.

    a) Write a short note on identifiers and constants.   5

    b) Explain unformatted I/O operations.   5

    c) Write a short note on inheritance.   5

    d) Short note on operator overloading.   5

    e) Short note on Rethrowing an exception.   5

2. Solve any **four** sub-questions.

    a) Explain function objects.   5

    b) Write a short note on exception handling mechanism.   5

    c) Explain with example pointers to object.   5

    d) List benefits and applications of OOPS.   5

    e) Short note on nesting of classes.   5

3. Solve any **four** sub-questions.

    a) Short note on local classes.   5

    b) Explain class template with multiple parameters.   5

    c) Short note on virtual base class.   5

    d) Short note on opening and closing of file.   5

    e) Explain parameterized constructor.   5

4. Solve any **four** sub-questions.

    a)   Explain inline functions.   5

    b)   Write a short note on polymorphism.   5

    c)   Explain virtual functions.   5

    d)   Write a short note on friendly functions.   5

    e)   Explain STL iterators.   5