

MCA - I
Theory Assignment – I
Object Oriented Concepts and Programming

- 1) Differentiate Procedural Programming and Object-Oriented Programming.
- 2) List out different datatypes in C++. Explain each in brief.
- 3) Explain difference between C and C++?
- 4) Explain different Conditional and looping statement in C++?
- 5) What is array? Explain 1-D and 2-D array in detail.
- 6) What is function? Explain user defined function in detail.
- 7) Explain Merits and demerits of Object-oriented concepts and Programming.
- 8) Explain the scope resolution operator and its use with example.
- 9) What is inline function? List down its merits. Also mention in which situation inline function cannot be used?
- 10) Explain static data members and member function in detail.
- 11) Compare and Contrast Inline function and normal function.
- 12) What do you mean by default argument in function? Explain with an example.
- 13) What is function overloading? Why we need it? Explain with an example.
- 14) What is friend function? Why we need it? Explain with an example.
- 15) What is constructor? Explain explicit and parameterized constructor in detail.
- 16) What is copy constructor? Why we required it?
- 17) Explain MIL with example.
- 18) What is destructor? Why we need it.