

- * Long note book + unruled
- * margins, 2-color
- * attend regularly
- * 6362784993

Syllabus - 20MATC12

Module - I : Mathematical foundation

Module - II : (ODE)

Ordinary differential equation

Partial differential equation

Module - III :- Numerical Algorithm
Integration
Linear Algebra

Module - IV :- Mathematical optimization
Mathematical programming

Module - V :- Stochastic models

Computational Intelligence

* * * genetic Algorithm.
* * * Swarm Intelligence

Text Books

- ① Xin-She-Yang : Introduction to Computational Math
- ② Xin-She-Yang : Optimization Techniques
- ③ B.S. Grewal : Numerical methods
- ④ S.S. Rao : Eng. optimization

* CIE — 50 marks
* SEE — 50 marks } 100 marks

* 4 credits