

## ELECTIVE – I – MCS-14

Theory Paper – 100 Marks

Sessional – 50 Marks

### OBJECT ORIENTED MODELING & DESIGN

Overview of Object Oriented concepts :

Need for Object Oriented Programming, characterization of Object oriented languages Object Oriented Design : Objects structure concepts, methodology for object oriented design(Booch,& chen & chen) ,Design modelling, system design life cycle

Object oriented programming : an overview of C++ programming ,loops and decisions, structures and functions, objects and classes , array and pointers, Inheritance , virtual functions files and stream

Object oriented data bases :relational V\s object oriented dat bases .the architecture of OO databases ,query languages for OO databases ,Gemstone\O2\orion

**Distributed Object Oriented Systems** : object management group, CORDA

Books ;

1. Object Oriented s\w development by Mc. Gregor and Sykes DA ,Van Nostrand Pub
2. OOP in C++ by Lafore ,Galgotia Pub
3. The C++ programming Language by Stroustrup B,Addison Wesley
4. Introduction to OOP by Witt,K.V.,galgotia Pub.
5. Object Data management by Cattell R., Addison.Wesely
6. Modern Database System by Kim W,ACM Press,Addison Wesley
7. OOP by Blschek G,Springer Verlag.