

## **MA-615 C\*-ALGEBRAS**

Involutive Algebras, Normed Involutive algebra, C\*-Algebras, Gelfand-Naimark theorem, Positive functions, A characterization of C\*-Algebras, Positive forms and representations, Applications of C\*-Algebras to differential operators.

### **RECOMMENDED BOOKS:**

1. Dixmier, J., C\*-Algebras; North Holland Publishing Company 1977.
2. Rudin, W., Functional Analysis; McGraw Hill Publishing Company Inc. New York.
3. Naimark, M.A., Normed Algebras; Wolters. Noordhoff Publishing Groningen. The Netherlands 1972.