Cloud Computing (MCA-E12)

Unit 1: Introduction to Cloud Computing
Unit 2: Cloud Computing Architecture
Unit 3: Service Management in Cloud Computing
Unit 4: Data Management in Cloud Computing
Unit 5: Resource Management in Cloud
Unit 6: Cloud Security
Unit 7: Open Source and Commercial Clouds, Cloud Simulator
Unit 8: Research trend in Cloud Computing, Fog Computing
Unit 9: VM Resource Allocation, Management and Monitoring
Unit 10: Cloud-Fog-Edge enabled Analytics
Unit 11: Serverless Computing and FaaS Model
Unit 12: Case Studies and Recent Advancements

The contents of the syllabus available at

https://onlinecourses.nptel.ac.in/noc23_cs89/preview

Books and references
1. Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wiley,2011
2. Enterprise Cloud Computing - Technology, Architecture, Applications, Gautam Shroff, Cambridge University Press, 2010
3. Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010
4. Cloud Security: A Comprehensive Guide to Secure Cloud Computing, Ronald L. Krutz, Russell Dean Vines, Wiley- India,2010