

ADAPTIVE COMPUTING - MIT - 25

Theory Paper - 100 Marks

Sessional - 50 Marks

Introduction to adaptive computing & adaptive Software like ubiquitous computing, autonomic computing.

Different approaches to implementing software adaptation, parameter adaptation, composition adaptation.

Middleware & Adaptation, Layer decomposing for middleware.

Computational reflection, component based designing. Meta object protocol. Middleware & other factors.

Composing : types, Static & Dynamic.

Key challenges : Assurance Security, Interpretability, Decision Making.