

**Major Paper IX : Multimedia and its Applications**

**Unit I**

Introduction to Multimedia – CDROM and the Multimedia highway – Use of Multimedia – Introduction to making multimedia – Multimedia skills.

**Unit II**

Multimedia hardware and software – Macintosh and windows production platforms – Connections – Memory and storage devices – Input devices – Output devices – Communication devices – Basic software tools – Text editing and word processing tools – Painting and drawing tools – 3-D modeling and animation tools – Image editing tools – sound editing tools – Animation, video and digital movie tools – Making instant multimedia – Multimedia authoring tools.

**Unit III**

Multimedia Building Blocks – Text – Fonts and Faces – Using Text in Multimedia – Computers and Text – Font Editing and Design Tools – Hypermedia and Hypertext – Sound – Multimedia System Sounds – MIDI Versus Digital Audio – Digital Audio – Making MIDI Audio – Audio File Formats – Images – Making Still Images – Color – Image File Formats – Animation – Principles of Animation – Making Animations That Work – Video – How Video Works – Integrating Video – Video – Video Tips – Recording Formats – Digital Video.

**Unit IV**

Multimedia and the Internet – The Internet and How it Works – Internetworking – Connections – Internet Services – The World Wide Web and HTML – Dynamic Web Pages – Multimedia on the Web – Tools for the World Wide Web – Web Services – Web Browsers – Plug-ins and Delivery Vehicles – Designing for the World Wide Web – Working on the Web – Text for the Web – Images for the Web – Sound for the Web – Animation for the Web.

**Unit V**

Assembling and Delivering a Project – Planning and Costing – Project Planning – Estimating – Designing and Producing – Content and Talent – Using Content Created by others – Using Content Created for a Project – Delivering – Testing – Preparing for Delivery – Delivering on CD – ROM – Delivering on World Wide Web.

**Text Book :**

Multimedia Making It Work – Fifth Edition – Tay Vaughan – Tata McGraw Hill Edition 2001.

**Reference Books :**

1. Multimedia In Action – James E.Shuman – Vikas Publishing House
2. Multimedia An Introduction – John Villamil – Casanova, Louis Moliva, PHI.