**19CEU28A Elective III: Animation Techniques**

**UNIT I**

History of Computer Animation - Fundamentals of Animation: Animation principles and history - Animation process - Importance of drawing in animation context- Types of animation- Animation software tools.

**UNIT II**

Story boarding -Matrix representations -Tabular data-Animation with flash, illustrations.

**UNIT III**

Definition, 2D animation, 3D animation, Real time Animation, Key Frame Animation, Character Animation, motion part animation, shape animation.

**UNIT IV**

Hierarchical animation, Procedural Animation, Simulation and Camera Animation, Traditional Animation, Stop Motion Animation, Computer Animations and Application of animations.

**UNIT V**

Difference between film and animation, drawn animation, cut off animation, Flash, Shockwave. Animation File Formats, Cartoon Vs animation.

**21CEU08 Computer Installation and Service**

**UNIT I**

Pc System: Evolution of PC to Pentium, Personal Computer System -Functiona

Blocks-System Unit-Display Unit-Keyboard. Inside PC: Motherboard Functiona

Blocks.

**UNIT II**

On-Board Memory: PCs Memory Organization : External Memory: Floppy Disk:

Floppy Disk Drive - Floppy Disk Controller - Hard Disk: Hard Disk Drive Sub

Assemblies-Hard Disk Controller, MMX: CD-ROM Disk-CD-ROM Drive-DVD.

**UNIT III**

Input Devices: Keyboard – Mouse - Scanner-Digitizer – Digital Camera. Outp

Devices - Monitors and Adapters - CRT-VGA – Digital Display Technology – CRT

Controller – Graphic Cards.

**UNIT IV**

Computer Installation: Power supply – PC Installation Troubleshooting and

Services: POST – Troubleshooting the Motherboard - Troubleshooting the

Keyboard.

**UNIT V**

Computer Maintenance: Computer Virus – Virus Prevention Techniques –

Antivirus Software Packages – Firewalls Computers and Communications:

Networking: LAN-WAN-Network Component, MODEM .