**SEC – II: Multimedia and Applications**

**Unit - I**

Multimedia: Introduction to multimedia, components, uses of multimedia, Multimedia applications, virtual reality.

Text: Fonts & Faces, Using Text in Multimedia, Font Editing & Design Tools, Hypermedia & Hypertext.

Images: Still Images – bitmaps, vector drawing, 3D drawing & rendering, natural, light & colors, computerized colors, color palettes, image file formats.

**Unit - II**

Sound: Digital Audio, MIDI Audio, MIDI vs Digital Audio, Audio File Formats.

Video: How video works, analog video, digital video, video file formats, video shooting and editing.

Animation: Principle of animations, animation techniques, animation file formats.

**References:**

1. Tay Vaughan, ―Multimedia: Making it work‖, TMH, Eighth edition.2011

2. Ralf Steinmetz and KlaraNaharstedt, ―Multimedia: Computing, Communications

Applications‖, Pearson.2012

3. Keyes, ―Multimedia Handbook‖, TMH,2000.

4. K. Andleigh and K. Thakkar, ―Multimedia System Design‖, PHI.2013