Bachelor of Science (B.Sc. I.T.) Semester–I Examination
MULTIMEDIA APPLICATION DEVELOPMENT
Paper–V

Time : Three Hours]   [Maximum Marks : 50

N.B. :— (1) All questions are compulsory and carry equal marks.
　　　　 (2) Draw well labelled diagram wherever necessary.

EITHER

1. (A) Explain the concept of color science.   5
　　(B) What do you mean by Multimedia ? Explain.   5

OR

　　(C) Explain graphics and image data representation.   5
　　(D) What are the popular file format ? Explain.   5

EITHER

2. (A) Explain the fundamental concept in Video :
　　　　(1) Component Video
　　　　(2) S-Video.   5
　　(B) What do you mean by digitization of sound ?   5

OR

　　(C) Explain the concept of MIDI.   5
　　(D) Explain :
　　　　(1) Pulse code modulation
　　　　(2) Differential coding of Audio.   5

EITHER

3. (A) Describe Action Script features.   5
　　(B) What are the data types and type checking in Action Script ?   5

OR

　　(C) Explain Interface in detail.   5
　　(D) Describe exceptions in brief.   5

EITHER

4. (A) Write notes on :
　　　　(1) Dictionary Based Coding
　　　　(2) Arithmetic Coding.   5
　　(B) What is Quantization ? Explain.   5

OR

　　(C) Explain major steps used in development multimedia application.   5
　　(D) Explain lossless image compression.   5

5. (A) Differentiate between HTML and XML.   2½
　　(B) What is Nyquist theorem ?   2½
　　(C) What do you mean by classes ?   2½
　　(D) Explain Transform Coding.   2½