Bachelor of Science (B.Sc. I.T.) Semester—I (C.B.S.) 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) What is Multimedia ? Explain its components.   5

   (B) Explain the concept of Color Science with example.   5

   OR

   (C) Write the overview of Multimedia Software tools.   5

   (D) Explain the terms :—

       (i) HTML

       (ii) XML.   5

   EITHER

2. (A) Write the concept of analog video with example.   5

   (B) What do you mean by digitization of sound.   5

   OR

   (C) Explain the following terms :—

       (i) Signal -to-Noise Ratio

       (ii) Signal to Quantization Noise Ratio.   5

   (D) Explain the High Definition TV with example.   5

   EITHER

3. (A) Explain the overriding instance methods.   5

   (B) How will you prevent the classes from being extended.   5

   OR

   (C) Explain programmatic Timeline control.   5

   (D) Describe the document class with example.   5

EITHER

4. (A) Write the basics of Information theory in lossless Compression Algorithm.   5

   (B) Explain the concept of Huffman Coding in detail.   5

   OR

   (C) Write the concept of Distortion measures in detail.   5

   (D) Discuss the Discrete Cosine Transform with example.   5

5. Attempt **ALL** :—

   (A) What are the popular file formats ?   2½

   (B) Explain Nyquist Theorem.   2½

   (C) What are the data types used in action script ?   2½

   (D) Write notes on Run Length Coding and Variable Length Coding.   2½