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 neat and labelled diagram wherever necessary.

EITHER

1. (a) What is meant by continuous tone, half tone and bitone images ? Explain.   5

   (b) Discuss formatted and unformatted text, differentiate them.   5

   OR

   (c) What is meant by frame and frame rate in connection with the video ? Differentiae between video and motion picture.   5

   (d) Explain any two applications where graphics can be used.   5

   EITHER

2. (a) What is meant by compression in Audio ? Explain.   5

   (b) Discuss the main facilities provided by audio processing devices.   5

   OR

   (c) What is analog video and digital video ? Differentiate between them.   5

   (d) Write short notes on the following :

      (i) Quantization of audio

      (ii) Transmission of audio.   5

   EITHER

3. (a) What is the necessity of video software ? Explain some of its basic functionalities.   5

   (b) Explain data types and type checking in ActionScript.   5

OR

(c) Explain the following with respect to ActionScript 2.0 :

    (i)   Subclass

    (ii)   Packages.   5

(d) Describe object oriented ActionScript.   5

EITHER

4.   (a) Explain major steps used in development multimedia applications.   5

   (b) Explain the following coding :

    (i)   Run-Length coding

    (ii)   Variable length coding.   5

OR

   (c) What is compression ? Explain any two types of multimedia compression.   5

   (d) What are the components used in ActionScript MoviClip subclasses ?   5

5.   Attempt **all** :

   (a) Give the importance of colour in images and video.   2½

   (b) Write brief note on MIDI.   2½

   (c) List different features of ActionScript.   2½

   (d) What is quantization in multimedia application ?   2½