C.U.SHAH UNIVERSITY
Summer Examination-2019

Subject Name : Multimedia Technology

Subject Code : 4TE06MMT1   **Branch: B.Tech (IT)**

Semester : 6   **Date : 16/04/2019**   **Time : 10:30 To 01:30**   **Marks : 70**
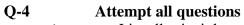
Instructions:
  (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  (2) Instructions written on main answer book are strictly to be obeyed.
  (3) Draw neat diagrams and figures (if necessary) at right places.
  (4) Assume suitable data if needed.

Q-1   **Attempt the following questions:**   **(14)**
   a)   What is multimedia?
   b)   What do you mean by flash memory?
   c)   What is lossy and lossless compression?
   d)   What is rasterizing?
   e)   What is CRT?
   f)   What is Pixel?
   g)   What is Animation?
   h)   What is Opacity?
   i)   What is Morphing?
   j)   What is Resolution?
   k)   What is Staging?
   l)   What is GIF file?
   m)   Explain <audio>tag.
   n)   What is MIDI?

Attempt any four questions from Q-2 to Q-8

Q-2   **Attempt all questions**   **(14)**
   a)   Explain in detail all the elements of multimedia.
   b)   Explain in detail applications of multimedia with suitable example.

Q-3   **Attempt all questions**   **(14)**
   a)   What is hypermedia and hypertext? Explain hypermedia structures in detail.
   b)   Explain additive and subtractive color theory

Q-4   **Attempt all questions**   **(14)**
   a)   List all principles of animation and discussed each.
   b)   Provide steps to bring an audio recording into your multimedia

project.

Q-5   **Attempt all questions**   **(14)**
  a)   Discuss the difference between bitmap and vector graphics. Describe five different graphic elements you might use in a project. Would you use a vector tool or a bitmap tool for each element? Why?
  b)   Discuss the current state of multimedia on the Internet and tools for the World Wide Web

Q-6   **Attempt all questions**   **(14)**
  a)   Explain aliasing and anti-aliasing with suitable example.
  b)   What is color model? Explain RGB color model with suitable figure

Q-7   **Attempt all questions**   **(14)**
  a)   Explain: 1) Raster image 2) Vector image.
  b)   Explain HSV color model with suitable diagram.

Q-8   **Attempt all questions**   **(14)**
  a)   Explain sketching and storyboarding
  b)   List and explain various image file formats. With its advantages and disadvantages.