

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.

