

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Multimedia Technology

Subject Code: 4TE06MMT1

Branch: B.Tech (IT)

Semester: 6

Date: 11/04/2017

Time: 02:30 To 05:30

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 Define Following terms: (14)

- a) Multimedia
- b) CGI
- c) Resolution
- d) CRT
- e) Staging
- f) Pixel
- g) Alpha Testing
- h) Morphing
- i) Opacity
- j) Compression Ratio
- k) Bitmap Image
- l) GIF image
- m) Key frame in FLASH
- n) Animation

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 additive and subtractive color theory

Q-3 Attempt all questions (14)

- a) Explain lossy and lossless image compression with example.
- b) List all principles of animation and discussed each

Q-4 Attempt all questions (14)

- a) List and explain various image file formats. With its advantages and disadvantages.
- b) Explain aliasing and anti-aliasing with suitable example.

Q-5 Attempt all questions (14)

- a) Explain multimedia skill and team
- b) Explain different graphics effects and its techniques.



- Q-6** **Attempt all questions** **(14)**
- a) Explain: 1) Raster image 2) Vector image.
 - b) Explain sketching and storyboarding
- Q-7** **Attempt all questions** **(14)**
- a) What are the requirements for multimedia projects? What is the importance of intangibles in multimedia project?
 - b) What is color model? Explain RGB color model with suitable figure.
- Q-8** **Attempt all questions** **(14)**
- a) Explain HSV color model with suitable diagram.
 - b) What is the power of motion while considering animation? Explain with example.

