B.TECH. SEM -VI INFO. TECH. 2014 COURSE (CBCS) :
SUMMER - 2018
SUBJECT: ELECTIVE – II: MULTIMEDIA TECHNIQUES

Day : **Monday** **S-2018-2432** Time: **02.30 PM TO 05.30 PM**
Date : **11/06/2018** Max. Marks: 60

N. B.:
1) All questions are **COMPULSORY**.
2) Figure to the right indicate **FULL** marks.
3) Draw neat and labelled diagram **WHEREVER** necessary.
4) Assume suitable data, if necessary.

Q. 1 Explain Goals and Objectives of Multimedia. Explain use of Multimedia in GUI Development of application. **(10)**

OR

Describe in detail about Authoring and Authoring Tools in Multimedia. **(10)**

Q. 2 The following character string is to be transmitted using Huffman Coding. **(10)**

MULTIMEDIAOSQUICKTIMEARCHITECTUREVIDEOANDANIMATION
construct the Huffman coding Tree for the letters present in above string and determine the number of bits required to code each letter.

OR

What is Compression? Distinguish between lossy and lossless compression. **(10)**

Q. 3 Write about attributes, file formats, compression standards, editing software's for Digital Audio. **(10)**

OR

Discuss briefly broadcast video standards – NTSC, PAL, SECASM and HDTV. **(10)**

Q. 4 Explain the following concepts of Image pixel, Resolution, Aspect Ratio, Bit Depth and Dynamic Range. State different image file formats supports web. Explain any 2 briefly. **(10)**

OR

How Animation is differs from the Video? Enlist and explain some tools used to create the animation. **(10)**

Q. 5 State characteristic features of optical media storage. What are the modes and their application area and levels of directory format of CD-ROM? **(10)**

OR

Explain different types of DVD data layer? Compare CD and DVD. **(10)**

Q. 6 Summarize media preparation in brief. State any four web based multimedia applications. Explain any two in detail. **(10)**

OR

Illustrate Video Conferencing system. **(10)**

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