NIT401

B. Tech.

(SEM. IV) THEORY EXAMINATION, 2014-15
MULTIMEDIA AND ANIMATION

Time : **2 Hours**]   [Total Marks : **50**

Note : Attempt all questions.

1   Answer any two parts of the following   6x2=12

(a)   What do you mean by multimedia system? Define animation and its uses.

(b)   Explain the use of the following hardware components in multimedia:

(i)   Touch Screen

(ii)   Video Grabbling Card

(iii)   CD-ROM

(c)   In terms of multimedia delivery explain the difference between:

(i)   Transfer rate and average seek time

(ii)   Graphics and animation

2   Answer following questions :   **6x2=12**

    (a)   Explain the concept of Video on Multimedia.

    (b)   What is hypermedia? Differentiate it from hypertext.

3   Answer any two parts of the following   **6x2=12**

    (a)   Explain briefly the following terms:

        (i)   Compression Ratio

        (ii)   Multimedia User Interface

        (iii)   Animation

    (b)   Why are standards important for developing multimedia content? What are MPEG Standards?

    (c)   In terms of multimedia delivery explain the difference between:

        (i)   Transfer rate and average seek time

        (ii)   Graphics and animation.

4   Answer any two parts of the following :   **7x2=14**

    (a)   What is the mechanism of digitized sound? How does the computer reconstruct sound wave from a sample data?

    (b)   What is the advantage of MIDI over digitized sound?

    (c)   Explain three major applications of multimedia in our day to day life.

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