Code No: 128DD

R15

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, May - 2019
MULTIMEDIA AND RICH INTERNET APPLICATIONS
(Common to CSE, IT)

Time: 3 hours   **Max. Marks: 75**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

1.a)   Give the differences between multimedia and hypermedia.   [2]
  b)   What meant by Multimedia Authoring?   [3]
  c)   What is s-video?   [2]
  d)   Give a brief representation of musical instrument digital interface.   [3]
  e)   What is MPEG-1?   [2]
  f)   What is social networking? What are the impacts of socil networks on the society?[3]
  g)   What are the advantages of using adobe flash?   [2]
  h)   What are the features of Adobe Flash?   [3]
  i)   List out the applications of Ajax.   [2]
  j)   What is the need and features of Dojo toolkit?   [3]

PART - B

(50 Marks)

2.a)   Explain the different categories of multimedia software tools.
  b)   Discuss about 8-bit and 24-bit color images? Explain various entries of color lookup table.
                                                                                 [5+5]
OR
3.a)   Explain the White-Point Correction.
  b)   Discuss about various color models in images.   [5+5]

4.a)   Explain NTSC video.
  b)   Explain the CCIR Standards for Digital Video.   [5+5]
OR
5.a)   Using an example, explain Huffman Coding.
  b)   Explain the Steps in JPEG Image Compression.   [5+5]

6.a)   Explain the Sequential Search for motion vectors.
  b)   Explain the H.261 Video Bitstream Syntax.   [5+5]
OR
7.a)   Explain the MPEG Audio Compression Algorithm.
  b)   What is web 2.0? Explain web 2.0 monetization.   [5+5]

8.a) Explain about creating a website splash screen.
  b) Explain how do you publish flash movie using Adobe?   [5+5]

OR

9.   With an example, explain how rich internet applications are developed with Flex 3.[10]

10.a) Explain the creation of rich internet application with Ajax.
  b) Discuss the process of creation of full scale Ajax enabled application.   [5+5]

OR

11.a) Explain the XMLHttpRequest object properties and method.
  b) Explain Dojo Toolkit.   [5+5]

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