R13

Code No: 815BH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, August - 2017
MULTIMEDIA AND RICH INTERNET APPLICATIONS

Time: 3 Hours   **Max. Marks: 60**

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 Marks = 20

1.a)   Write about WWW.   [4]
  b)   Write a short note on Digital Audio.   [4]
  c)   Write about MPEG Video Coding.   [4]
  d)   Explain about RIAs.   [4]
  e)   Write about history of Ajax.   [4]

PART - B

5 × 8 Marks = 40

2.a)   Explain in detail about Color Models in Images.
  b)   Explain in detail about color models in video.   [4+4]
OR
3.a)   Explain about Image data types.
  b)   Explain about Image file formats.   [4+4]

4.   Explain various Lossy compression algorithms.   [8]
OR
5.   Explain various Image Compression Standards.   [8]

6.   Explain the following basic Audio Compression Techniques:
        a) ADPCM in Speech coding
        b) VOCODERS
        c) G.726 ADPCM.   [8]
OR
7.a)   Explain the terms: XML, RSS, Atom, JSON and VoIP.
  b)   Explain Web 2.0 Monetization and Business Models.   [4+4]

8.a)   Explain about Flash Movie Development.
  b)   Explain how to create special effects with Flash.   [4+4]
OR
9.   Define Flex3. Explain with example how to develop Rich Internet Applications with Flex3.   [8]

10.   Define AJAX. Compare and Contrast Traditional Web Application and Ajax Application and also compare Rich Internet Application with Ajax.   [8]
OR
11.a) Explain Ajax example using XMLHttpReques object.
    b) Explain about Dojo Toolkit.   [4+4]