Code No: 118DD

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, May - 2017
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)	What is Multimedia?	[2]
b)	Explain the different image file formats.	[3]
c)	What is image compression?	[2]
d)	Describe S-video.	[3]
e)	What is MPEG?	[2]
f)	What is social networking?	[3]
g)	What is the need of FLEX?	[2]
h)	What is masking in adobe flash?	[3]
i)	What is DoJo toolkit?	[2]
j)	Explain the history of AJAX.	[3]

PART - B

(50 Marks)

2.a)	Explain the features of world wide web.	
b)	Discuss about multimedia software tools.	[5+5]
	OR	
3.	Explain the different color models in video.	[10]
4.a)	Explain musical instrument digital interface(MIDI).	
b)	Explain PAL and NTSC TV standards.	[5+5]
	OR	
5.a)	Explain Shannon-fano algorithm.	
b)	Give a detailed note on discrete cosine transform.	[5+5]
6.	In detail explain the MPEG audio compression standard.	[10]
	OR	
7.a)	Explain the features of XML and VoIP.	
b)	Discuss the Web 2.0 Business models.	[5+5]
8.a)	Describe the features and applications of Adobe flash.	
b)	Explain the creation of a website splash screen with Adobe flash.	[5+5]
	OR	
9.a)	Differentiate between HTML and flex applications.	
b)	Explain the flex application life cycle.	[5+5]

10.a) Enumerate the key differences between traditional web applications and Ajax-based web applications?
   b) Explain rich internet applications with Ajax.   [5+5]

OR

11.   Describe the creation of a full scale Ajax enabled application.   [10]

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