

R13

Code No: 118DD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, June - 2018

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) Explain 24-bit color images. [2]
- b) Discuss about Gamma correction. [3]
- c) Discuss about distortion measures. [2]
- d) Write basics of information theory. [3]
- e) What is temporal masking? Explain. [2]
- f) Explain about channel vocoder. [3]
- g) Write a brief note on Adobe Flash CS3 [2]
- h) What are static controls? Explain. [3]
- i) Write history of Ajax. [2]
- j) Describe asynchronous requests in Dojo. [3]

PART - B

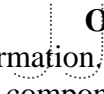
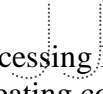
(50 Marks)

- 2.a) What are graphics/image data types? Explain.
 - b) Explain about CIE chromaticity diagram. [5+5]
- OR**
- 3.a) What are color models in video? Explain.
 - b) Discuss about macromedia flash. [5+5]
- 4.a) Explain about dictionary-based coding.
 - b) Describe the structure of MIDI messages. [5+5]
- OR**
- 5.a) Discuss about uniform scalar quantization.
 - b) Explain about the JPEG-LS standard. [5+5]
- 6.a) Explain about Web services, mashups, widgets and gadgets.
 - b) Distinguish between H.261 and H.263. [5+5]
- OR**
- 7.a) Discuss about blogging and tagging.
 - b) Explain about hybrid excitation vocoders. [5+5]



- 8.a) Explain about creating a website splash screen.
- b) What are CSS styles? Explain.

[5+5]



OR

- 9.a) Discuss about accessing ID3 information.
- b) Explain about creating composite components.

[5+5]

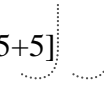
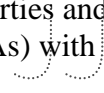
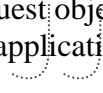
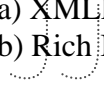
- 10. Explain in detail about Ajax usage in XML and the DOM.

[10]

OR

- 11. Explain the following:
 - a) XMLHttpRequest object properties and methods
 - b) Rich Internet applications (RIAs) with Ajax.

[5+5]



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