

	Title : CS4405 Study
	Student Name : Brian O Regan
	Student Number : 110707163
	Module : CS4405
	Exam Date: Monday 19 <sup>th</sup> May @ 14.00

## **Revision / Summer 2014 (KD Notes)**

Structure

3 Questions

Question 1 – Image Coding


- Representing Colour (represent an image with as few colours as possible)
- JPEG Algorithm Steps
- Image Manipulation (masking)
  - Web Context
  - Like homework assignments

Question 2 – Audio & Video Coding

- Coding Audio
  - Representing Audio Digitally
  - Converting from Analogue
- Compressing Audio Content
  - Like homework assignment's
- Coding Video (IMPORTANT)
  - MPEG 1 Steps & Options
- MPEG-1 Video Structures (IMPORTANT)
  - Hierarchy
  - Group of Pictures

Question 3 – Media Delivery & Presentation

- Structuring Media Data for Delivery
  - Not just video but others e.g. Image
- Errors in Transmission
  - Types of Errors
  - What Causes Errors
- Identifying & Recovering from Errors
- MPEG-DASH (IMPORTANT)
  - Architecture
  - Elements
  - Dynamic / Adaptive Parts

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#### DON'T STUDY

- GIF
- Compositing
  - Do study MASKING though