Nepal College of infromaiton technology

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| Level: Bachelor | Unit test | Year : 2013 |
| Programme: BE | | Full Marks: 70 |
| Course: Multimedia System | | Time : 2hrs. |

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| *Candidates are required to give their answers in their own words as far as practicable.* |
| *The figures in the margin indicate full marks.* |
| Attempt all the questions. |

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|  | 1. What do you understand by the term 'medium'? List all different types of medium. 2. What are the four MIDI reception modes? Explain. | 8  7 |
|  | 1. What are different image recognition steps? Explain any two. 2. What are different television broadcasting standards? Explain any two standards. | 8  7 |
|  | 1. What do you mean by Huffman coding and decoding. Design Huffman code or probabilities 0.15,0.15,0.2,0.2,0.05,0.25. 2. Why do we need to compress data? Explain various steps involved in data compression. | 5  8 |
|  | 1. Describe the 4 types of frames (images) used by MPEG standard. 2. Explain the various colour encoding system for video transmission system. | 8  7 |
|  | Write short notes on (**Any Two**):   1. Sampling and quantization 2. Properties of sound 3. H.261 | 2x5 |

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