Pokhara University

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| Level: Bachelor | Semester: Fall | Year : 2015 |
| Programme: BE | | Full Marks: 100 |
| Course: Multimedia System | | Pass Marks: 45 |
| Time : 3hrs. |

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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. Define multimedia. Explain the application areas of multimedia. 2. List out the names and the functions of MIDI software. | 8  7 |
|  | 1. Define the term speech. Describe time dependent sound concatenation. 2. Explain the Image recognition steps. | 7  8 |
|  | 1. Explain the principles of animation. 2. Explain the CD-ROM Mode 1 and CD-ROM Mode 2 with block diagram. | 8  7 |
|  | 1. Discuss the necessity of data compression. Explain briefly one of the entropy encoding technique with a suitable example. 2. Explain the Form 1 and Form 2 formats of CD-ROM/Extended Architecture. | 8  7 |
|  | 1. Differentiate the earliest deadline and rate monotonic process management in terms of resource utilization and context switching with illustrative diagram. 2. Define MCS. Explain the Group Communication Architecture. | 8  7 |
|  | 1. Define hypermedia. What are the different layers of hypertext system architecture? Explain. 2. Briefly explain the steps of JPEG compression. | 7  8 |
|  | Write short notes on: (**Any two**)   1. MPEG audio encoding. 2. Necessity of Data Compression. 3. QoS. | 2×5 |