## **POKHARA UNIVERSITY**

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Hypermedia System

: 2016

Year

Semester: Spring Level: Bachelor Full Marks: 100 Programme: BE Pass Marks: 45 Course: Multimedia Systems Time · 3hrs. 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. 8 Define multimedia. Explain global structure of multimedia. b) What is speech? List the sound generation techniques and explain 7 them briefly. How is the image represented in a computer system? Explain the 7 transformation steps in image recognition steps. 8 What is animation? Explain the different types of animation. Distinguish between source, entropy and hybrid coding. Perform 8 Huffman coding for the following set: Symbol source aı a3 a4 a5 26 an 0.3 0.06 0.1 0.04 01 0.4 p(ai) 7 Explain the JPEG compression techniques. b) How is the information stored in optical disk? Explain the working 7 a) principle of CD-WO with diagram. Explain the Form 1 and Form 2 formats of CD-ROM/XA. 8 b) 7 Explain the need of communication architecture. How can hybrid a) system be implemented? Explain. 8 Differentiate the following: b) Preemptive Vs Non preemptive scheduling i. EDF Vs. SCAN-EDF disk scheduling algorithm What is SGML document? Discuss the processing of SGML 7 a) documents in brief. Explain the Application subsystem of Multimedia Communication 8 Write shorteness on: (Any two) 2×5 a) Animation language Quality of Service (QoS)