

Council for Technical Education and Vocational Training

Office of the Controller of Examinations

Sanothimi, Bhaktapur

Regular/Back Exam - 2073, Bhadra/Ashwin

Program: Diploma in Information Technology
Computer Engineering

Full Marks: 80

Year/Part: III/II

Pass Marks:32

Subject: **Multimedia Technology**

Time: 3 hrs.

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*Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicates full marks.*

Attempt Any Eight Questions.

1. Define multimedia. Explain the properties of multimedia system. [4+6]
2. Explain speech Generation. How can the generated speech be analyzed and transmitted? [2+8]
3. How can the image be represented digitally? Explain. What do you mean by image Synthesis? [2+8]
4. Explain Computer based animation. What are the methods of controlling animation? [2+8]
5. Why data compression is needed? Explain Entropy and Hybrid Coding. [2+8]
6. Explain briefly Application Subsystem and Transport Subsystem. [10]
7. Define Hypertext and Hypermedia. Explain Document Architecture of SGML. [4+6]
8. What are the basic design issues of user interface? How can we get user friendliness in user interface? [5+5]
9. Explain the applications areas of multimedia technology. [10]
10. Write short notes (Any Two): [5×2]
 - a] Trends in multimedia applications
 - b] Synchronization in multimedia
 - c] Abstraction levels of programming in MM system

Good Luck!

For Educational Materials

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<http://www.rjankc.com.np>

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