[3 hours]   **[Total Marks: 80]**

NB :   1) **Question 1** is **compulsory.**
2) Attempt any **three** questions from the **remaining** questions.
3) Draw neat diagrams wherever necessary
4) **Assume** suitable **data** wherever applicable.

Q1.	a	Explain virtual reality design	5
	b	Explain classification of MIDI messages	5
	c	Compare RIFF and TIFF file formats	5
	d	Explain applications of multimedia for entertainment, education and health science?	5
Q2.	a	What benefits are offered by compression schemes in designing multimedia systems.	10
	b	Explain different architecture for content organization in multimedia databases	10
Q3.	a	Explain different classes of databases used in multimedia	10
	b	Explain the design issues for multimedia authoring systems.	10
Q4.	a	Explain components of multimedia systems.	10
	b	How does workflow design for a departmental system differ from that for an enterprise-wide system.	10
Q5	a	Explain hypermedia application design considerations.	10
	b	Explain components of a distributed multimedia system.	10
Q6.	a	Explain multiserver network topologies	10
	b	Explain technology assessment for developing a business information model.	10

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