

(3 Hours)

[Total Marks: 80]

NB:

1. Question no.1 is **compulsory**
2. Solve any **Three** questions out of remaining Five questions
3. In all **4** questions to be attempted.
4. Answer to each question to be started on a fresh paper.

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| Q1 | a) | Compare Lossless vs Lossy compression. | 5 |
| | b) | Describe Multimedia Workstation Architecture. | 5 |
| | c) | Discuss use of Text in Multimedia. Also explain the terms Hypertext and Hypermedia in brief. | 5 |
| | d) | Classify MIDI messages. | 5 |
| Q2 | A | What is use of tags in file? Explain TIFF file format. | 10 |
| | B | Describe Multimedia Application Classes. | 10 |
| Q3 | A | What is Virtual Reality Systems? Discuss Virtual Reality Systems Design. | 10 |
| | B | Discuss User Interface Design for Multimedia Systems. | 10 |
| Q4 | A | What is Multimedia Authoring? Discuss various Multimedia authoring systems types. | 10 |
| | B | Discuss the need of compression. Explain JPEG compression in detail. | 10 |
| Q5 | A | Explain Middleware in Distributed workgroup computing with its functions in distributed multimedia application environment. | 10 |
| | B | What is workflow? Discuss workflow for Document Image Management System. | 10 |
| Q6 | A | Write a short note on (Any 2) | 10 |
| | a) | Business information model | |
| | b) | Telephone Metaphor | |
| | c) | Object oriented Multimedia system design | |
| | B | Describe a Multimedia application used in your current college or work environment. If there is no such application, discuss what activities can benefit from Multimedia applications. | 10 |