

(3 Hours)**[Total Marks : 80]**

- N.B. :**
- 1) Question No.1 is **compulsory**.
 - 2) Attempt **any three** from the remaining five questions.
 - 3) Answers to questions should be grouped together

- Q1. (a) Explain the basic components of a Multimedia System. Discuss issues related to their compatibility. [10]
- (b) Discuss the relevance of Prototype development in designing multimedia systems. [10]
- Q2. (a) Explain the IMA architecture framework used in designing multimedia applications. [10]
- (b) Explain various analog and digital display standards. [10]
- Q3. (a) Discuss in detail various Video file formats. [10]
- (b) What are RAID's? Explain in detail all RAID levels with suitable diagrams. [10]
- Q4. (a) Discuss various Print output technologies prevalent today. [10]
- (b) Explain any two image compression techniques in detail. [10]
- Q5. (a) Explain the process of determining the cost of a multimedia project. Explain with a suitable example. [10]
- (b) Discuss various Audio file formats and standards. [10]
- Q6. Write short notes on following topics (**any four**) [20]
- a) WROM
 - b) Full Motion Video
 - c) Huffman Coding
 - d) Idea analysis
 - e) Scanners
 - f) Touch Screens