

**BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)**  
**B.Tech.Sem - VI IT :SUMMER- 2022**  
**SUBJECT : MULTIMEDIA TECHNIQUES**

Day : Thursday  
Date : 23-06-2022

**S-13421-2022**

Time : 02:30 PM-05:30 PM  
Max. Marks : 60

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Neat diagrams must be drawn **WHEREVER** necessary.
  - 4) Assume suitable data if necessary.
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**Q.1** Discuss about Multimedia System Architecture with neat diagram. **(10)**

**OR**

**Q.1** What do you mean by authoring tools? Explain all the authoring tools with its features. **(10)**

**Q.2** State and derive Shannon Fano algorithm suitable example. **(10)**

**OR**

**Q.2** Compare and contrast Lossy compression with Lossless compression. **(10)**

**Q.3** Name some of the most commonly used National interchange file formats for audio. Explain any four formats in detail. **(10)**

**OR**

**Q.3** Describe various Video compression techniques in detail. **(10)**

**Q.4** Define various types of Images and discuss the factors affects quality of Image with best suited example. **(10)**

**OR**

**Q.4** With neat block diagram explain JPEG compression standard. **(10)**

**Q.5** Explain in detail about the organization of Magnetic media. **(10)**

**OR**

**Q.5** Enlist different presentation tools used with multimedia. How presentation tools helps in making Multimedia projects? **(10)**

**Q.6** Illustrate Multimedia applications from various field with suitable examples. **(10)**

**OR**

**Q.6** Write a short note on: **(10)**

- a) Interactive Television
- b) Video Conferencing

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