

# END TERM EXAMINATION

SIXTH SEMESTER [BCA] June 2024

Paper Code: BCA 308 Subjects: Multimedia and its Application

Time: 3 Hours Maximum Marks: 75

Note: Attempt all questions as directed. Internal Choice is indicated.

Q1. Answer the following: (2.5x10 =25)

- a) Role of HTML and HTTP
- b) Building Blocks of the Multimedia
- c) Digital communication
- d) Tools for the World Wide Web 2.0
- e) Applications of Multimedia in the field of Digital Marketing
- f) CD-ROM
- g) Process of Digitization
- h) Lossless and Lossy Data Compression
- i) Multimedia Conferencing
- j) Concept of Virtual reality

### UNIT -I

- Q2. a) What are the various hardware and software requirements for good project. (6.5)
- b) List out various Storage Devices needed to make instant Multimedia projects. (6)

### OR

- Q3. a) Discuss the term Authoring System? State the various types of Authoring Tools. (6.5)
- b) Write the different stages of Multimedia Project and explain with help of detailed diagram. (6)

### UNIT -II

- Q4. a) Explain the term Data Compression? Discuss any two best Data compression Algorithms. (6.5)

- b) State difference between JPEG Vs. MPEG Compression. Explain the various other Data compression Techniques. (6)

### OR

- Q5. a) Differentiate between Temporal and Non-Temporal Media. (6.5)
- b) List out any six ways in which Online communication and media role can be useful. (6)

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BCA-308 P<sub>1/2</sub>

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### UNIT -III

- Q6. a) What are the different types of Animation techniques. (6.5)
- b) Write a short note on MIDI in context to Music and Computer? (6)

### OR

- Q7. a) Elaborate on the importance of Web Servers in the context of Multimedia. (6.5)
- b) Give the difference between HTML and XML. Explain the applications of Multimedia using these technologies. (6)

### UNIT -IV

- Q8. a) Write a short note on various editors used for development of Web pages. (6.5)
- b) Define Multimedia, Hypermedia and Hypertext. Explain with the help of real world applications. (6)

### OR

- Q9. a) What do you mean by AR technology? List out five advantages of AR technology. (6.5)
- b) What is Interactive Television? Explain its functioning in detail. (6)

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