



Term Evaluation (Odd) Semester Examination September 2025

Roll no.....

Name of the Course: Diploma

Semester: Vth

Name of the Paper: Multimedia and Animation Techniques

Paper Code: DTCS-502

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub-questions
- (ii) Each question carries 10 marks.

Q1. (10 Marks)

- a. Define multimedia and explain the various multimedia elements with suitable examples. (CO1)
- OR
- b. What are input and output devices in multimedia systems? Discuss their role with examples. (CO1)

Q2. (10 Marks)

- a. Explain different types of storage media used in multimedia applications. Compare their advantages and limitations. (CO1)
- OR
- b. Describe the architecture of a distributed multimedia system. (CO1)

Q3. (10 Marks)

- a. Write a short note on the framework for multimedia systems. (CO1)
- OR
- b. Differentiate between lossless and lossy compression techniques. Give suitable applications of each of the techniques. (CO2)

Q4. (10 Marks)

- a. Write a short note on the history and significance of RIF and TIFF file formats. (CO2)
- OR
- b. Describe the objectives and architecture of the JPEG compression technique. (CO2)

Q5. (10 Marks)

- a. Explain the objectives, architecture, and performance of MPEG compression standards, focusing on MPEG-2 and MPEG-4. (CO2)
- OR
- b. What is the need for compression and decompression in multimedia systems? Explain with examples. (CO2)