



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 & 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)