

ANURAG Engineering College

(An Autonomous Institution)

IV B.Tech I Semester Regular/Supplementary Examinations, Dec – 2024

MULTIMEDIA COMPUTING**(COMPUTER SCIENCE AND ENGINEERING)****Time: 3 Hours****Max. Marks: 75****Section – A (Short Answer type questions)****Answer All Questions****(25 Marks)**

	Course Outcome	B.T Level	Marks
1. What are the applications of multimedia.	CO1	L1	2M
2. Compare hypermedia and multimedia	CO1	L2	3M
3. What is the format of MIDI message.	CO2	L1	2M
4. What are the MIDI software applications.	CO2	L1	3M
5. What are the requirements for image transmission over network.	CO3	L1	2M
6. What are the various possibilities to transmit the image over network.	CO3	L1	3M
7. What are the standards of conventional television system.	CO4	L2	2M
8. Explain various methods to control the animation.	CO4	L2	3M
9. List the various Source coding/compression techniques available in multi-media systems.	CO5	L1	2M
10. Write about MPEG.	CO5	L2	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Define multimedia network. Write the basics about computer and multi-media Networks.	CO1	L2	10M
OR			
B) Explain the data stream characteristics for continual media.	CO1	L2	10M
12. A) What is Sound? Explain about Digitization of sound.	CO2	L3	10M
OR			
B) Define the terms digital audio & MIDI. List the differences between digital audio & MIDI.	CO2	L3	10M
13. A) Write a short note on: i) Image data types ii) RGB cube	CO3	L3	10M
OR			
B) List and explain the various steps involved in image recognition.	CO3	L2	10M
14. A) Describe the different types of video signals?	CO4	L3	10M
OR			
B) Explain about the following: i) how to display animation ii) How to transmit animation.	CO4	L3	10M
15. A) Explain the basic compression techniques.	CO5	L2	10M
OR			
B) Explain about the following compression techniques: i) losless JPEG ii) H.261 (PX64)	CO5	L2	10M