APPENDIX-I

Assignment Questions

Blooms Taxonomy Levels/phases : Remembering (RE), Understanding(UN), Applying (AP), Analyzing (AN), Evaluating (EV), Creating (CR)

Assignment 1(Unit 1)

S.No.	Question	Bloom's Taxonomy Level	CO
1	**Define the term Multmedia. Explain its Need and Evolution.**	**UN**	**1**
2	**Explain the Benefits of multimedia.**	**AN**	**1**
3	**What do you mean by media. How can you classify media**	**RE,UN**	**1**
4	**Explain the various Datastream characteristics of continuous media?**	**UN**	**1**
5	**What are the hardware and software requirement for multimedia ?**	**RE**	**1**
6	**Write about various multimedia products and its evolution ?**	**RE,UN**	**1**
7	**Explain the various application of multimedia.**	**RE**	**1**
8	**Define theterm multimedia system. List the various properties of multimedia syatem.**	**UN,RE**	**1**
9	**What do you mean by data stream. Write the difference between strongly periodic stream and weakly periodic stream.**	**RE,UN**	**1**
10	**Justify your statement that the DataStreams are irregular.**	**RE, AN**	**1**
11	**Compare Continuous stream with Discrete stream.**	**RE,UN,AN**	**1**

Assignment 2(Unit 2)

S.No.	Question	Bloom's Taxonomy Level	CO
1	Explain the term MIDI.	RE,UN	1,2
2	Define Sound.	UN	1,2
3	List the various formats available for graphics.	UN,AN	1,2
4	Write the steps to process an image.	UN,AN,CR	1,2
5	What do you mean by video and animation.	UN	1,2
6	How computer based animation is better than the conventional system.	EV	1,2
7	List various authoring tool. Also categorize the Authority tool.	RE,UN	1,2
8	Write about the frequency range for Infrasound, ultrasound,Hypersound and also for human hearing frequency range.	RE	2
9	What do you mean by frequency , amplitude.	RE	2
10	What do you mean by sampling rate and Quantization.	RE	2
11	What are the various common component that a synthesizer.	RE,UN	2
12	Explain the term speech analysis.	UN	2
13	Explain with neat diagram about the component of speech recogniztion and understanding.	RE,UN	2
14	How one can represent an image in digital form.	UN	2
15	Explain the various steps involved in image recognisition	UN	2
16	What do you mean by flickers.	RE	2
17	Explain why HDTV is called the next generation of TV.	UN	2
18	Explain the methods of controlling Animation.	UN	2

Assignment 3(Unit 3)

S.No.	Question	Bloom's Taxonomy Level	CO
1	What to you mean by Data Compression. What are the basic requirement of coding. Also Explain about Entropy.	RE,UN	1,2,3
2	Explain the term hybrid coding	UN	3
3	Explain the static huffmann technique for Text compression.	UN	3
4	Explain the dynamic huffmann technique for text compression .	RE,UN	3
5	How statistical coding technique is used for compression	UN,AP	3
6	Compare and contrast the JPEG and MPEG.	AN	2,3
7	Distinguish among entropy, source and hybrid encoding also give a rough classification of coding technique in multimedia systems.	UN	2,3
8	Explain the major steps of data compression.	UN	3
9	Write about the various steps of the JPEG compression process.	UN	3
10	Explain what are the different type of image codeing for processing used in MPEG. Or What do u mean by I-frame, P-frame, D-frame and B-Frame.	RE,UN	3
11	Write the MPEG basic steps of audio encoding.	RE,UN	3

Assignment 4(Unit 4)

S.No.	Question	Bloom's Taxonomy Level	CO
1	What do u understand by optical storage media.	RE,UN	4
2	What is compact disk digital audio. Also write the advantages of CD-DA.	RE,UN	4
3	Explain the term Frame, track and block of CD-DA.	RE,UN,AP	4
4	What to you mean by CD-ROM?	RE,UN	4
5	Explain the Principle of CDWO.	RE,UN,AP	4
6	What are the various prospects of CD technologies.	RE,UN	4

Assignment 5(Unit 5)

S.No.	Question	Bloom's Taxonomy Level	CO
1	Explain the term lense.	UN	5
2	What do you mean by computer imaging system.	RE,UN	5
3	Write the steps to analyze an image. Expalin with example.	UN,AP	5
4	What are the steps involved in proceesing an image.	UN,AP	5
5	How a binary image is analyze. Explain with example	UN	5
6	What are the various way to classify an image.	UN	5
7	What is the role of feature detection.	UN	5