



Reg.No. _____

End Semester Examination – Nov/Dec - 2016

Code : 09IT209 / 12IT212
Sub. Name : MULTIMEDIA SYSTEMS AND DESIGN

Semester : 2016-17 ODD
Duration : 3 hrs
Max. marks : 100

Q. No.	Questions	Course outcome	Marks
PART-A (10X1=10 MARKS)			
1.	Give two examples for static media.	CO1	(1)
2.	Write the four applications of multimedia.	CO1	(1)
3.	What is reverse compression?	CO2	(1)
4.	Compare additive color model with subtractive color model.	CO2	(1)
5.	Define horizontal refresh rate.	CO2	(1)
6.	Write the types of digitizer.	CO1	(1)
7.	List the material used in a rewritable disk.	CO3	(1)
8.	What is the formula used to determine the size of the digital audio?	CO3	(1)
9.	Who has presented the effects of lag model?	CO1	(1)
10.	Mention any two examples for business workflow application.	CO1	(1)

PART B (5 X 3= 15 MARKS)			
11	Distinguish between the terms multimedia and hypermedia.	CO1	(3)
12	Compare symmetric compression with asymmetric compression.	CO2	(3)
13	What are the classifications in multimedia I/O devices?	CO3	(3)
14	Explain any one multimedia storage server.	CO3	(3)
15	List down the featured concepts of RAID.	CO1	(3)

PART C (5 X 15= 75 MARKS)			
16.	a.	What are the issues of functionality need to be provided in order to effectively use a wide variety of media in multimedia applications?	CO1 (7)
	b.	Explain the multimedia workstation architecture.	CO1 (8)
(OR)			
17.	a.	Discuss various types of multimedia objects.	CO1 (7)
	b.	Explain in detail some key issues of data organization.	CO1 (8)
18.		Provide the description about JPEG encoding with a neat diagram.	CO2 (15)
(OR)			
19.		Discuss in detail the architecture of MPEG encoder.	CO2 (15)
20.	a.	Explain different animation techniques.	CO1 (7)
	b.	Draw a neat diagram of a digital camera and explain how it works.	CO1 (8)
(OR)			
21.	Explain about the following:		
	a.	Charge Coupled Device (CCD).	CO3 (5)
	b.	Musical Instrument Digital Interface.	CO3 (10)
22.		How does hierarchical storage management route data to the lowest cost device with high performance?	CO3 (15)
(OR)			
23.	a.	Define cache. Elaborate on cache management.	CO3 (7)

	b.	What is RAID? Explain the various levels of RAID technology in detail.	CO3	(8)
24.	a.	Describe the design issues of distributed multimedia application and types of multimedia systems.	CO1	(10)
	b.	Discuss on multimedia database characteristics.	CO3	(5)
(OR)				
25.	Enumerate virtual reality functionality provided while designing multimedia systems.		CO1	(15)

ALL THE BEST