## CBCS SCHEME

		OBOO GOUISMIS	
USN			15EC741
Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019			
Multimedia Communication			
		Multimedia Communica	ition
Tir	ne: í	e: 3 hrs.	Max. Marks: 80
IVIAX. IVIAIRS. 80			
Note: Answer any FIVE full questions, choosing ONE full question from each module.			
1	0	Module-1	
1	a.	i. Explain: i) Date network	
		ii) Broadband multiservice network in detail with suitab	ale figures (10 M
	b. Explain centralized, decentralized and hybrid mode multi conferencing with neat figures		
		i i i i i i i i i i i i i i i i i i i	(06 Marks)
			,
2	0	OR	
2	a. b.	(QOS) parameters for energy	
	0.	. Explain in other interactive applications over internet.	(08 Marks)
		Module-2	<b>Y</b>
3	a.		er monitor. (08 Marks)
	b. Derive the time to transmit following digitized images at 64 Kbps and 1.5 N		
	640 × 480 × 8, VGA compatible image, 1024 × 768 × 24 SVGA compatible image.		
	C		(06 Marks)
	C.	Define aspect ratio of display screen.	(02 Marks)
	OR		
4	a. With a neat circuit components and its associated waveform, explain signal encoder design.		
		(08 Marks	
	b.	With the aid of diagram, describe following digitization fo	rmats:
		i) 4:2:2 ii) SIF iii) CIF	(08 Marks)
		Madel	
5	a.	With the aid of a diagram, identify the five main stages	associated with bosoling mode of
		operation of JPEG and give a brief description of the role of	of each page. (08 Marks)
	b.		(08 Marks)
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		OR	
6	a.	The second of the compression and	gorithm. (08 Marks)
	b.	. Explain CPU management and memory management in m	
			(08 Marks)
Module-4			
7	a.		(08 Marks)
	b.	. What are the video compression principles, explain with ex	xample frame sequences i) I and P
		frames ii) I-P-B frames iii) PB frames.	(08 Marks)

## OR

8 a. Explain linear predictive coding signal encoder and decoder with neat schematic. (08 Marks)
b. Explain H.261 macro block encoding format. (08 Marks)

## Module-5

9 a. With a neat block diagram, explain Scalable Rate Control (SRC). (10 Marks)
b. Explain packet video (Asynchronous transfer of video). (06 Marks)

## OR

a. Explain the transmitter subsystem of integrated packet networks of speech source. (08 Marks)
b. Explain in brief errors and losses in ATM. (08 Marks)

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