Reg. No.				1



## III SEMESTER M.C.A.

## **END SEMESTER EXAMINATIONS, NOV 2018**

SUBJECT: MULTIMEDIA COMMUNICATIONS [MCA 5016]

2C. Write a note on dithering.

3A: List out the advantages and disadvantages of LZW coding.

Code the following sequences of symbols using LZW and in the sequences of symbols using LZW and in the sequences.

Code the following sequences of symbols using LZW coding and show intermediate steps.

ABBABBABCABAABBB

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3B.	Explain multimedia data structure for various media.				
3C.	Compare GIF with PNG image format.				
4A.	Explain four layer reference model for synchronization. (3 marks)	5			
	How multimedia streams are classified based on periodicity and variation of packet size? (2 marks)				
4B.	Compare three step motion estimation technique with full search motion estimation. (2 marks)	3			
	List out various profiles of H.264. (1 mark)				
4C.	Classify the following image format into lossy and lossless image coding.				
	TIFF, EXIF, PS, PDF, BMP, JPEG, PNG, GIF, PMP				
5A.	Explain progressive DCT based JPEG compression.				
5B.	What is the difference between ADPCM and DPCM? (2 marks)	3			
	Mention the advantages and disadvantages of MIDI. (1 Marks)				
5C.	Compare live and synthetic synchronization. (1 Mark)	2			
	How flexibility and customizability is achieved in H.264 video coding system. (1 Mark)				

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