No. of Printed Pages: 03	Roll No
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834

B. Tech. EXAMINATION, May 2017

(Eighth Semester)

(Old Scheme) (Re-appear Only)

(ECE)

ECE-418

TV ENGG.

Time: 3 Hours [Maximum Marks: 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note: Attempt any *Five* questions. All questions carry equal marks.

1. (a) Explain the following terms: 10

(i) Scanning

(2-36) M-834 P.T.O.

		(11) Ilicker	5.	(a)	What is a Yagi-Uda Antenna?
		(iii) Image continuity.		(b)	Why is frequency of local oscillator kept
((b)	Why is an odd no. of lines used fo	r		greater than incoming frequency? 7
		scanning? How does interlaced scanning help reduce the bandwidth of the video signal?	0	(c)	Explain the sound section of a TV receiver. 7
	(a) (b)	Explain the basis for keeping picture to sync ratio 7:3. Draw a composite video signal neatly and label all parts.	0 y	(a)	How is colour TV receivers are compatible to receive monochrome transmission and vice-versa ? What is compatibility ?
3. ((a)	What are the advantages and disadvantages of using VSB modulation	d	(b)	What is three colour television camera?
		Explain, how the VSB reception of TV signal is compensated for its frequency response.	y	(a) (b)	Explain the difference in NTSC, PAL and SECAM coloured systems. 12 What is frequency interleaving? 8
4. ((a)(b)	What are the various controls on the	5 e	Writ (a) (b) (c)	TV via Satellite Remote Control Digital TV Technology. 10,10
M-83	4	working. 1	5	86) M	-834 3 ??