TE-Seon-VI (CBSGS) ExTC-Television Engg. Television Engireering Q.P. Code: 588602 14/12/16

5	N.B.: 1. Question no.1 is compulsory. 2. Answer any three question out of remaining questions.		80	
ww.			3. Assume suitable data if required.	
www.a2zsubjects.com	1	a) b) c) d)	An odd number of lines are chosen in television system for scanning. Justify What is compatibility in TV transmission? What are the requirements to be met to make the colour system fully compatible? Compare Plasma, LED and LCD displays. Explain in brief Direct-to-home TV (DTH).	5 5 5 5
	2	a)	Explain with the help of suitable sketch, how is video signal developed in a vidicon camera tube? How is different from other camera tubes and what are its special applications?	10
		b)	in the second se	10
	3	a)	What is the difference between component video and composite video? Give the main features of CCIR Rec €01 for digital video standards	10
		b)	The second of th	10
	4	a)	Sketch composite video signal waveform for at least three successive line and indicate:	5
www.a2			 i. Extreme white level ii. Blanking level iii. Pedestal height iv. Sync. pulse level 	
www.a2zsubjects.com		b)		10
ts.com		c)	and the second s	5

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- 5. a) What is the need of MAC encoding? Explain the general format of MAC 10 signals for transmitting colour TV signals.
 - b) Explain the following terms of Digital video.

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- i. Digitization
- ii. Viewing distance and angle
- iii. Aspect ratio
- 6. a) Explain Interlace Scanning? Calculate the percentage of interlace error when the second field is delayed by 16 microseconds. Retrace time may be assumed to be negligible.
 - b) Write a note on Wide Dimension High Definition Television and its 10 standards.

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