

These are sample MCQs to indicate pattern, may or may not appear in examination

**University of Mumbai  
Online Examination 2020**

Program: TE Electronics and Telecommunication Engineering  
Curriculum Scheme: Revised 2012  
Examination: Third Year Semester VI  
Course Code: ETC604 and Course Name: Television Engineering

Time: 1hour

Max. Marks: 50

=====

Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Who was given the first demonstration of actual television in UK
Option A:	C.F. Jenkins
Option B:	J.L. Baird
Option C:	V.K. Zworykin
Option D:	P.R. Camange
Q2.	How much is Horizontal retrace period in 625 lines monochrome system
Option A:	52 $\mu$ s
Option B:	12 $\mu$ s
Option C:	52 ms
Option D:	12ms
Q3.	What is effect of Interlaced Scanning as compared with sequential scanning on video signal bandwidth
Option A:	Increases
Option B:	Constant
Option C:	Decrease
Option D:	No change
Q4.	which transmission technique is used to transmit TV signals
Option A:	DSBFC
Option B:	SSB
Option C:	VSB
Option D:	DSBSC
Q5.	What is called true HD resolution
Option A:	720P resolution created by Full HD standards
Option B:	1080P resolution created by Full HD standards
Option C:	1920P resolution created by Full HD standards
Option D:	440P resolution created by Full HD standards
Q6.	NTSC stands for

Option A:	National Television System Committee
Option B:	New Television System Committee
Option C:	National Time System Committee
Option D:	National Television Support Committee
Q7.	In digital TV transmission, MAC stands for _____
Option A:	Media Analog Components
Option B:	Multiplier Analog Components
Option C:	Multiplexed Advanced Components
Option D:	Multiplexed Analog Components
Q8.	In MAC encoding format, time duration of color difference signal is _____
Option A:	1 $\mu$ Sec
Option B:	17 $\mu$ Sec
Option C:	34 $\mu$ Sec
Option D:	64 $\mu$ Sec
Q9.	If frames are displayed on screen fast enough, we get an impression of
Option A:	Signals.
Option B:	Motions.
Option C:	Packets.
Option D:	Bits.
Q10.	LCDs operate from a frequency ranges from _____
Option A:	10Hz to 60Hz
Option B:	50Hz to 70Hz
Option C:	30Hz to 60Hz
Option D:	40Hz to 70Hz
Q11.	To receive signal, a translator is needed to decode signal and encode it again at a
Option A:	High Quality.
Option B:	Lower Quality.
Option C:	Same Quality.
Option D:	Bad Quality.
Q12.	A single horizontal line across the middle of a TV screen indicates trouble in
Option A:	horizontal section
Option B:	vertical section
Option C:	tuner
Option D:	video section
Q13.	How much is Aspect ratio followed in HDTV
Option A:	4/3
Option B:	16/9
Option C:	64/48
Option D:	32/12

Q14.	what is 1080i called as
Option A:	HD ready
Option B:	HD imperfect
Option C:	Full HD
Option D:	UHD
Q15.	What is MUSE stand for in TV system
Option A:	Multiple sub-Nyquist sampling encoding
Option B:	Multiple state sampling encoding
Option C:	Multiple user system encoding
Option D:	Multiple user sampling encoding
Q16.	To make system fully compatible, composite color signal must meet following requirement
Option A:	It should occupy different bandwidth as the corresponding monochrome signal
Option B:	The color signal should have different luminance information as would a monochrome signal, transmitting same scene.
Option C:	Location and spacing of picture and sound carrier frequencies should remain the same
Option D:	Location and spacing of picture and sound carrier frequencies should remain the different
Q17.	_____ is the predominant spectral color of the received light.
Option A:	Luminance
Option B:	Hue
Option C:	Brightness
Option D:	Saturation
Q18.	Gamma correction is used _____
Option A:	To compensate for non-linearity of the system including TV camera and picture tube.
Option B:	To make system unstable
Option C:	To remove color information from image
Option D:	To add color information in the image
Q19.	In frequency interleaving, the carrier frequency is so chosen that its sideband frequencies fall _____
Option A:	Exactly at the harmonics of the line frequency
Option B:	Exactly mid-way between the harmonics of the line frequency
Option C:	Anywhere in frequency spectrum
Option D:	Nowhere in frequency spectrum
Q20.	What is backplane in LCD?
Option A:	The ac voltage applied between segment and a common element
Option B:	The dc voltage applied between segment and a common element
Option C:	The amount of power consumed
Option D:	For adjusting the intensity of the LCD

Q21.	Color bar generators are used mainly to check the operation of the..... In color TV receivers.
Option A:	number of Chroma bars
Option B:	Chroma circuitry
Option C:	video
Option D:	RF
Q22.	What will happen if 100% interlaced error occurred
Option A:	75% Picture area will go unscanned
Option B:	Full Picture area will go unscanned
Option C:	25% Picture area will go unscanned
Option D:	Half Picture area will go unscanned
Q23.	How much is the frame size for Full HD
Option A:	704 x 480 pixels
Option B:	1024 x 770 pixels
Option C:	1920 x 1080 pixels
Option D:	1280 x 962 pixels
Q24.	In NTSC colour receiver, delay line introduces a delay about _____
Option A:	500 ns
Option B:	10000 ns
Option C:	1500 ns
Option D:	6000ns
Q25.	The shadow mask in color TV picture tube is used to
Option A:	reduce X-ray emission
Option B:	increase screen brightness
Option C:	ensure that each beam hits its own target
Option D:	decrease picture contrast