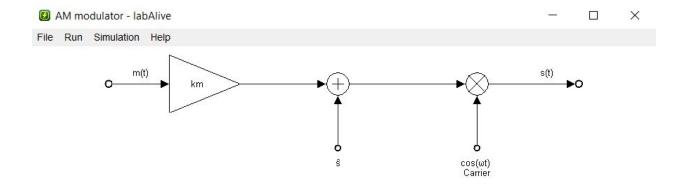
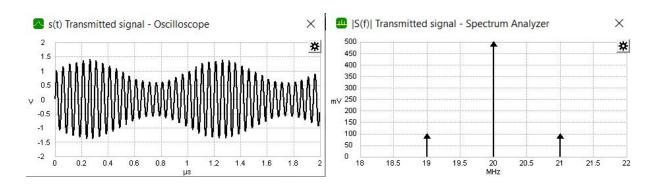
ate	Expt. No
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EXPERIME	NT-1
Aim:	
, to observe the amplitude	modulated wave and corresponding
startum for different mod	ulation Ender
1 Observe the spertyum In	A. C. O
modulated wave being s	witched off one by
a Observe the amplitude mos	bulated wave when correspon
wave being square,	riangle and sawtooth.
Theory:	
AM was the passing and	1°
the audio it is the	abour method used for transmitting
so that auteura of m	modulated by a frequency carrier actical size is used.
The amplitude modulator of	college is used.
7	a signal
S(t) = [s] + m(t) (arrier way of	Kun 7 cos/unt)
carrier wave e	4) sensitivity of purplitude modulator
L ₃	4 sensitarity of remplitude modulator modulating signal
	3 0
Procedure:	
a) Switch on the laws and	0
The source made	cassier wave.
Hoyust the modulation ander	pe.
analysis and oscillos co	pe.
	Th C:
*	Teacher's Signature:

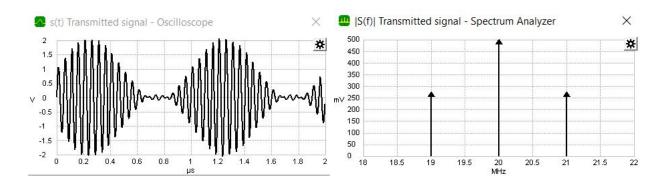
Date	Expt. No
Expt. N	amePage No
b) - c) -	Switch off the Carrier and modulating wave one by one and observe the waveforms. Repeat this for different kind of waveforms for carrier and modulating waveform. Change the waveform types of earrier signal to triangulary
	Change the waveform types of carrier signal to triangular, square and sawtooter. Observe the varying naveforms in the oxilloscope.
	Observations:
ž	Different waveforen with different anglitude observed for different modulation indices, and for different kinds of carrier waves; equal, to angle, sawtooth.
	kinds of carrier waves; equare, toinigle, sawtooth.
+	
+	
	Teacher's Signature:



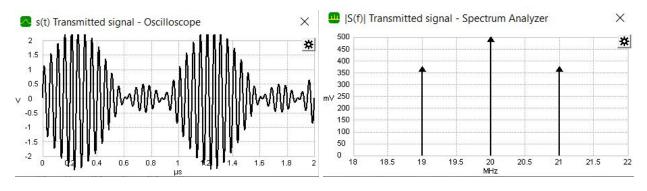
Modulation Index = 0.4



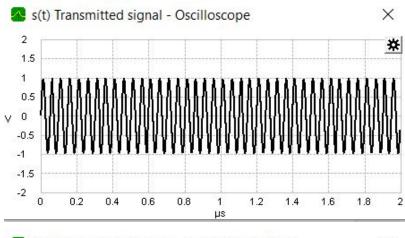
Modulation Index = 1.1

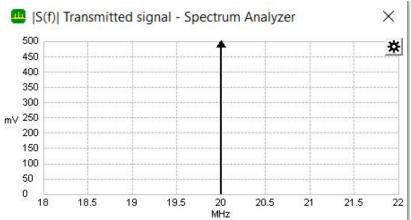


Modulation Index = 1.5

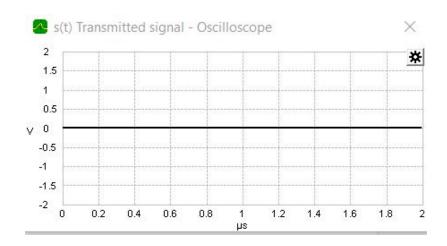


Message Signal Turned OFF



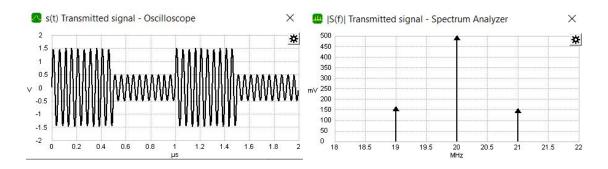


Carrier Wave Switched OFF

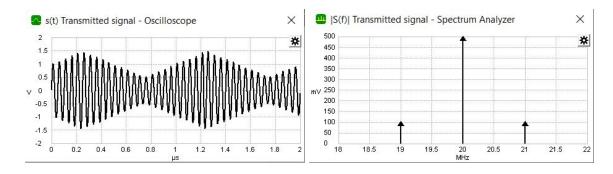


Amplitude Modulated Wave as -

1. Square



2. Triangle



3. Sawtooth

