MAY 1st and 2nd 2020

VIRTUAL COMPUTER SESSION VIA ZOOM RADIO MERIT BADGE SESSION SCOUT'S REQUIREMENT CHECK LIST

Sco	ut's	Name	: _				
	(PLACI		./	IN THE BOX R	EPRES	SENTIN	OR YOURSELF G YOUR NUMBER) ON OF REQUIREMENT
			R	EQUIREMENTS	;		
1.	Explain	what radio is:	A. B. C.	The differences b Radio Station cal broadcast radio a	etween 1 signs ımateur	broadc and how radio	ast radio and hobby radio asting and two-way radio w they are used in it is used to communicate
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			D D	4 5	9 10	D D	
2.	Do the fo	ollowing:					the radio waves travel

locally and around the world. Explain how the

broadcast radio stations WWV and WWVH can be used to help detennine what you will hear when you listen to

shortwave radio

В.	Explain	the d	liffere	nces	bety	ween	DX	and	a local	sta	ation.
	Discuss	what	the F	CC (does	and	how	it is	differe	nt	from
	the ITU										

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3. Do the following:

- A. Draw a chaii of the electromatic spectrum covering 100 kHz to 1,000 MHZ
- B Label the MF. HF, VHF, UHF and microwave portions of the spectrum on you diagram.
- C. Locate on your chart at least eight radio services, such as AM and FM commercial broadcast, citizens band (CB), television, amateur radio (at least four amateur radio bands), and pubic service (police and fire).

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4. Explain how radio waves carry information. Include **in** your explanation: transceiver, transmitter. receiver. amplifier. and antenna.

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5. Do the following:

- A. Explain the differences between a block diagram and a schematic diagram
- B. Draw a block diagram for a radio station that includes a

]	line.			hone, antenna and fee
	C		_			en an open circuit, a
				it and a shor		
	0		_	-		s. Explain what three
			_	-		three electrical
		(components	to match to	three	of these symbols
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5.	Explain the safety precautions for grounding for direct current circ	cuit	_	_		-
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7.	_	ate ss h	5 ur radio stat now it was u	10 tion, broadca used, what ty	D ast sta	of licenses are required
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(5) Explain bow you would make an emergency call on voice or Morse code.

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(6) Explain the differences between handheld transceivers and home "base" transceivers. Explain the uses of mobile amateur radio transceivers and amateur radio repeaters.

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Questions: