

Name: \_\_\_\_\_

Date: \_\_\_\_\_

- 1 Which of the following is an example of a mechanical wave? (Input all that apply, then push the ENTER button.)
- A ocean waves
  - B sound waves
  - C light waves
  - D none of the above

- 2 Choose the answer that corrects the statement.

Visible light waves are at the upper end of the frequency spectrum, while x-ray waves fall at the lower end.

- A Change "visible light" to "audible"
- B Change "x-ray" to "audible"
- C Change "upper" to "lower"
- D All of the above are correct

- 3 Which of the following are types of wave variations? (Input all that apply, then push the ENTER button.)

- A trapping
- B retraction
- C diffraction
- D none of the above

- 4 A device for determining the presence and location of an object by measuring the time for the echo of a radio wave to return from it and the direction from which it returns

- A Radar
- B Carrier wave
- C Trapping
- D Hertz

- 5 To cause the amplitude, frequency, phase, or intensity of a carrier wave to vary in accordance with a sound wave or other signal, the frequency of the signal wave usually being very much lower than that of the carrier

- A Modification
- B Modulation
- C Metamorphosis
- D Multiplexing

- 6 Jackson and Pember are standing at different distances from a cliff. They both shout. Jackson hears his echo in 6 thousandths of a second. Pember hears his echo in .6 seconds. Who is closer to the cliff?
- A Jackson
  - B Pember
  - C They are the same distance.

- 7 Choose the answers to correct the statement.  
(Input all that apply, then push the ENTER button.)

Electronic warfare includes three major subdivisions: Electronic Awareness (EA); Evaluative Protection (EP); Electronic Warfare Support (ES)

- A Change "Awareness" to "Attack"
  - B Change "ES" to "EWS"
  - C Change "Electronic" to "Evaluative"
  - D Change "Evaluative" to "Electronic"
- 8 Device that uses radio waves over a networked area and is served through a base station at a fixed location
- A Cell phone
  - B Electronic Warfare
  - C Radar
  - D Sonar
- 9 That division of electronic warfare involving actions to search for, intercept, identify, and locate sources of intentional and unintentional radiated electromagnetic energy, for the purposes of threat recognition, targeting, planning, and conduct of future operations.
- A ES
  - B EA
  - C EW
  - D EP
- 10 The number of cycles of an electromagnetic wave repeated during one second of time is known as what?
- A Its wavelength
  - B Its frequency
  - C Its cycle
  - D Its amplitude

- 11 Which of the following is a type of an electromagnetic wave?
- A Tidal wave
  - B Radar
  - C Sound of a guitar
  - D Earthquake
- 12 Which of the following abbreviations refers to a common type of radar scope?
- A CIC
  - B CRT
  - C CDC
  - D PPI
  - E ARE
- 13 Electromagnetic waves transmitted in the range from about 3 kHz to 300 GHz are commonly called what?
- A Radio waves
  - B Audible-frequency waves
  - C Visible light
  - D Gamma Rays
- 14 When temperature inversions trap cold air closer to the Earth, conditions can be right for the reflection of radio signals and can cause a significant increase in the distances they can travel. What is this called?
- A Skip distance
  - B Trapping
  - C Refraction
  - D Propagation
- 15  $\lambda$  (lambda) is the symbol for
- A Frequency
  - B Cycle
  - C Wavelength
  - D Period
- 16 Most Radars signals are
- A Pulse Modulation (PM)
  - B Frequency Modulation (FM)
  - C Amplitude Modulation (AM)

- 17 A radio signal in which the wave height of a carrier wave is modified by the addition of a second sound wave signal
- A Pulse Modulation (PM)
  - B Frequency Modulation (FM)
  - C Amplitude Modulation (AM)
- 18 Radar can be used to track both friendly and potentially threatening
- A satellites
  - B aircraft
  - C Both A & B
  - D None of the above
- 19 The type of wave is produced in a stringed instrument when the string is plucked?
- A Light wave
  - B Transverse wave
  - C Rapid wave
  - D Horizontal wave
- 20 Which of the following kinds of waves can be felt by human beings?
- A Radio
  - B Radar
  - C Vibrations
  - D Light

## Answer Key: NS2-M3C21 - Electronics (Exam)

Question:	Answer
1	AB
2	B
3	AC
4	A
5	B
6	A
7	AD
8	A
9	A
10	B
11	B
12	B
13	A
14	B
15	C
16	A
17	C
18	B
19	B
20	C