

Question Completion Status:

202201 ELT303 11284 - Principles of Electricity

Course Content October 28th

Take Test: Unit 15 Worksheet

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Test Information

Description The worksheets are intended to aid you in learning. They will be open for you to complete the day the chapter will be covered and remain open through the start of the next assignment. They will then close and be graded FINISH THEM ON TIME.

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

Your answers are saved automatically.

QUESTION 1

1 points

Saved

The unit of frequency is the

- a. frequency
- b. rotation
- c. cycle
- d. hertz

QUESTION 2

1 points

Saved

In a DC circuit, the product of voltage and current is some amount of watts. All of that value is delivered to the load. This amount of power is called ____ power.

- a. true
- b. apparent

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Question Completion Status:

QUESTION 3**1 points**

Saved

When AC voltage is rectified and converted into DC, the resulting waveform is normally not pure, flat DC. The bumps that occur in the voltage are called

- a. cosines
- b. harmonics
- c. peaks
- d. ripples

QUESTION 4**1 points**

Saved

The tendency for high frequency AC current to travel near the outer parts of conductors causes the resistance of these conductors to be higher than on low frequency conductors. This is known as

- a. skin effect
- b. resistance
- c. insulation effect
- d. phasing

QUESTION 5**1 points**

Saved

A device used to change DC into AC is called a(n)

- a. converter
- b. oscillator
- c. rectifier
- d. alternator

QUESTION 6**1 points**

Saved

Alternating current waveforms repeat the same shape over and over. From the beginning of one shape to the end of that shape is called a

- a. rotation
- b. frequency
- c. cycle
- d. hertz

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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- c. cosine
- d. pulsating

QUESTION 8**1 points**

Saved

If an AC waveform is rectified and thereby converted into DC, the voltage value that results is the ____ value.

- a. average
- b. effective
- c. peak
- d. peak-to-peak

QUESTION 9**1 points**

Saved

Rotating machines (alternators) normally produce a wave shape which is called a ____ wave.

- a. pulsating
- b. cosine
- c. sine
- d. linear

QUESTION 10**1 points**

Saved

Another term used to indicate the same as the RMS value is the ____ value.

- a. peak
- b. average
- c. effective
- d. peak-to-peak

QUESTION 11**1 points**

Saved

In an AC circuit, the voltage and current are frequently both sine waves. If they both pass through zero heading in the same direction at the same time, they are said to be

- a. in lagging phase
- b. in phase
- c. out of phase

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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The unit of measure of the power delivered to the load in a DC circuit is

- a. hertz
- b. watts
- c. volt-amperes
- d. VARs

QUESTION 13**1 points**

Saved

The number of cycles completed in one second is called the

- a. hertz
- b. frequency
- c. cycle
- d. rotation

QUESTION 14**1 points**

Saved

The amplitude of a waveform is measured from

- a. zero to the RMS level
- b. zero to the effective level
- c. peak-to-peak
- d. either peak to zero

QUESTION 15**1 points**

Saved

A wave in which the voltage rises at a constant rate with respect to time is a ____ wave.

- a. sine
- b. pulsating
- c. cosine
- d. linear

QUESTION 16**1 points**

Saved

A load that will convert all of the delivered power into another form of energy is a(n) ____ load.

- a. reactive
- b. resistive

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⌵ Question Completion Status:



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