

ELT 101: Basic Electricity: AC/DC

Unit 1 Exam

NAME _____

DATE _____

Circle the most correct answer (2 points each for a total of 50 points)

1) Technical Mathematics is not a required course for the Electric Utility Certificate.

- A) True
- B) False

2) A lineworker and a substation maintenance technician do basically the same work.

- A) True
- B) False

3) How many units are there in ELT 101: Basic Electricity: AC/DC?

- A) 12
- B) 14
- C) 16
- D) none of the above

4) What is Blackboard?

- A) a software program used by students
- B) a software program used by faculty
- C) a software program used by student organizations
- D) all of the above

5) In order to use Blackboard you must first purchase it at the college bookstore.

- A) True
- B) False

6) For a standard delivery course that is not an on-line course, which of the below will you not find on your Blackboard course shell?

- A) student grades
- B) labs
- C) worksheets
- D) unit exams

7) ID badges are required to enter which of the following Yavapai College buildings?

- A) CTEC
- B) Administration
- C) Chino Valley Agribusiness center
- D) none of the above

8) An electrical shock:

- A) occurs when the body becomes part of an electrical path
- B) is annoying but can rarely hurt you
- C) can only occur if your body is wet
- D) all of the above

9) The generally acknowledged amount of current that can be fatal is:

- A) 10 milliamps
- B) 100 milliamps
- C) 1 amp
- D) 5 amps

10) How many measurement categories are there for electrical test and measurement tools?

- A) 3
- B) 4
- C) 5
- D) 7

11) If $A = B \times C$, then $C = ?$

A) A/B

B) B/A

C) $A \times B$

D) none of the above

12) The number 2 in the expression $X^2 = 16$ is a:

A) subscript

B) superscript

C) component

D) any of the above

13) Scientific notation allows us to easily express very large number, but not very small numbers.

A) True

B) False

14) Scientific notation and engineering notation are basically the same thing.

A) True

B) False

15) What is correct scientific notation for the number 0.0047?

A) 0.47×10^{-3}

B) 4.7×10^{-2}

C) 4.7×10^{-3}

D) 47×10^{-2}

16) The reciprocal of a number or expression is its inverse.

A) True

B) False

17) Which of the below are commonly used in engineering notation to represent small numbers?

- A) milli
- B) micro
- C) nano
- D) all of the above

18) A GFCI is a:

- A) grounded fuse circuit interrupter
- B) generic fuse circuit interrupter
- C) ground fault circuit interrupter
- D) generic fault circuit interrupter

19) If you get shocked, you should always report this incident to your supervisor.

- A) True
- B) False

20) LO/TO/TO stands for:

- A) Look Out/Test Out/Try Out
- B) Lock Out/Test Out/Try Out
- C) Lock Out/Test Out/Try Out
- D) Lock Out/Try Out/Tag Out

21) Which if the below is recommended when working with live circuits?

- A) Keep one hand behind your back
- B) Never put both hands into the circuit
- C) Avoid working alone
- D) all of the above

22) It's OK to use expletives (bad language) in college courses.

A) True

B) False

23) You can make up coursework as long as you let the instructor know in advance of the class.

A) True

B) False

24) To access Blackboard you only need your YC username.

A) True

B) False

25) Your course syllabus is just used on the first day of class. You won't need it after that.

A) True

B) False

Points possible:

Multiple choice: 50

50

***** end of unit 1 exam *****