

AV BASICS

Name: _____

Date: _____

Max Marks: 20 Achieved: _____

TrainerSignature: _____/_____

- Tick the appropriate one

1) Unit of capacitance is

- a) Ohm
b) Volt
c) Farad
d) None of these

2) What is Current?

- a) Flow of Electrons
b) Flow of Protons
c) Flow of Neutrons
d) None

3) Unit of Resistance is

- a) Ampere
b) Ohm
c) Volt
d) None

4) In a Transformer, the supply power is given in which winding ?

- a) Primary
b) Secondary
c) Both
d) None

5) Frequency of DC Supply is ?

- a) 50 Hz
b) 60 Hz
c) 100 Hz
d) 0 Hz

6) Battery is a source of

- a) AC Supply
b) DC Supply
c) Both
d) None

7) 1 Cycle / Second is called as

- a) 1 Hz
b) 1 Ampere
c) 1 Ohm
d) None

8) In which of the following devices electrical energy is transformed into light energy

- a) Pump
b) Fan
c) Light bulb
d) Solar Cell

9) Which of the following is a lowest grade energy ?

- a) Heat Energy
b) Mechanical Energy
c) Electrical Energy
d) None

10) Example of AC power source is –

- a) Battery
b) Generator
c) Alternator
d) None

11) Atomic mass of an element is equal to the sum of

- a) Electron and neutron
b) Proton and neutron
c) Electron and proton
d) None of these

12) Who is credited with the discovery of electron

- a) J.J.Thomson
b) James Chadwick
c) Ernest Rutherford
d) Neils Bohr

13) What would be the atomic number of the element in whose atom the K and L shells are full

- a) 10
b) 12
c) 14
d) 16

14) Electric current originates from which part of an atom

- a) Nucleus
b) Entire atom acting as unit
c) Positively charged protons
d) Negatively charged electron

15) Voltage is a form of

- a) Kinetic energy
b) Potential energy
c) Both a and b
d) None of these

16) To produce electric current what is the requirement

- a) A voltage source
- b) A source of energy that moves charges
- c) An electric field moving through a conductor
- d) All of these

17) Unit of power is

- a) Ohm
- b) Watt
- c) Joule
- d) None of these

18) When two positively charged materials will placed close together then

- a) It will repel each other
- b) Become negative
- c) It will attract each other
- d) None of these

19) Electrons in the outer orbit are called

- a) Shell
- b) Valence electron
- c) Nuclei
- d) All of these

20) A series circuit consists of three resistors with values of 140, 250 and 220. The total resistance is

- a) 330
- b) 610
- c) 720
- d) None of these

ROUGH WORK