

English catch up exam for Electric engineering

Full name: .....

Group: .....

**What are the characteristics of series circuits?( 3pts)**

01).....

02).....

03).....

**What are the characteristics of parallel circuits?(3pts)**

01).....

02).....

03).....

**How does electricity travel?( 02pts)**

.....  
.....  
.....  
.....

**What is a jack?(01pts)**

.....  
.....  
.....

**What is a coaxial?(01pts)**

.....  
.....

**Fill in the gaps with: uranium, core, they, steam, fission, nuclear, strike, fuel, atom, neutrons.(05pts)**

.....power is a method in which .....is produced by heating water through a process called nuclear..... In a nuclear power plant, a reactor contains a ..... of nuclear ....., primarily enriched uranium .When atoms of uranium fuel are hit by neutrons ..... split , releasing heat and more.....these other neutrons can.....more.....

**How do we constitute or generate an electric current?(02,5pts)**

.....  
.....  
.....  
.....  
.....

**How do we generate electricity in a steam turbine?(02,5pts)**

.....  
.....  
.....  
.....  
.....

GOOD LUCK  
AOUCHE.S

Correction of English catch up exam for Electric engineering

**What are the characteristics of series circuits?( 3pts)**

- 01) Voltage drops add to equal total voltage.**
- 02) All components share the same (equal) current.**
- 03) Resistances add to equal total resistance.**

**What are the characteristics of parallel circuits?(3pts)**

- 01) All components share the same (equal) voltage.**
- 02) Branch currents add to equal total current.**
- 03) Resistances diminish to equal total resistance.**

**How does electricity travel?( 02pts)**

**When we switch on an appliance, the electric current flows through power lines to the outlet and goes back again.**

**What is a jack?(01pts)**

**An electrical socket fixed on a wall into which an electric plug is inserted to make a connection to a source of energy.**

**What is a coaxial?(01pts)**

**A high speed transmission cable or high frequency transmission cable**

**Fill in the gaps with: uranium, core, they, steam, fission, nuclear, strike, fuel, atoms, neutrons.(05pts)**

**nuclear** power is a method in which is **steam** produced by heating water through a process called nuclear **fission** In a nuclear power plant, a reactor contains a **core** of nuclear **fuel**, primarily enriched uranium .When atoms of uranium fuel are hit by neutrons **they** split, releasing heat and more **neutrons** these other neutrons can **strike** more **uranium atoms**

**How do we constitute or generate an electric current?(02,5pts)**

**When the balance between the positive charge (protons) and the negative charge (electrons) is upset by an outside force, the atom may lose or gain an electron due to its free movement .**

**How do we generate electricity in a steam turbine?(02,5pts)**

**A turbine converts the kinetic energy of a moving fluid (liquid or gas) to mechanical energy .Steam turbines have a series of blades mounted on a shaft against which steam is forced and the shaft is connected to a generator. The fuel is burned in a furnace to heat water in a boiler in order to produce steam.**