PHY101:Online Quiz # 4 Physics (PHY101)

Question # 10 of 10 (Start time: 04:48:29 AM, 20 February 2021)

The lenz's law refers to:

Select the correct option

- ○ Induced current
- ● Motional emf
- ○ Induced potential
- ○ Potential difference

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 9 of 10 (Start time: 04:47:06 AM, 20 February 2021)

Aging process of the human body:

Select the correct option

- ○ Becomes fast at very high speed
- ● Becomes slow by motion at very high speed
- ○ Remains constant
- ○ None of these

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 8 of 10 (Start time: 04:45:13 AM, 20 February 2021)

Two parallel straight wires carrying current in same direction will:

Select the correct option

- (●) Attract each other
- ( ) No effect
- ( ) May repel or attract
- ( ) Repel each other

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 7 of 10 (Start time: 04:43:33 AM, 20 February 2021)

Two sources of light are said to be coherent if the waves produced by them have the same:

Select the correct option

- ○ Wavelength
- ○ Amplitude
- ○ Wavelength and amplitude
- ● Wavelength and constant phase difference

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 6 of 10 (Start time: 04:41:25 AM, 20 February 2021)

A heat of transformation of a substance is:

Select the correct option

- ○ The energy absorbed as heat during a phase transformation
- ● The energy per unit mass absorbed as heat during a phase transformation
- ○ The same as the heat capacity
- ○ The same as the specific heat

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 5 of 10 (Start time: 04:40:09 AM, 20 February 2021)

The atomic number of an element is:

Select the correct option

- ○ The whole number nearest to its mass
- ● The number of protons in its nucleus
- ○ The nearest whole number of hydrogen atoms having the same mass as a single atom of the given element
- ○ The number of neutrons in its nucleus

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 4 of 10 (Start time: 04:38:01 AM, 20 February 2021)

In meta stable state, electrons reside:

Select the correct option

- 10^-8 sec
- 10^-5 sec
- 10^-3 sec
- 10^-13 sec

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 3 of 10 (Start time: 04:37:07 AM, 20 February 2021)

During the time that latent heat is involved in a change of state:

Select the correct option

- (●) The temperature does not change
- ( ) The substance always expands
- ( ) A chemical reaction takes place
- ( ) Molecular activity remains constant

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 2 of 10 (Start time: 04:36:10 AM, 20 February 2021)

The smallest particle of any chemical element that can exist by itself and yet retain the qualities that distinguish it as that element is:

Select the correct option

○	An electron
○	A proton
○	A neutron
●	An atom

PHY101:Online Quiz # 4 Physics (PHY101)

Question # 1 of 10 (Start time: 04:34:01 AM, 20 February 2021)

Evidence that a gas consists mostly of empty space is the fact that:

Select the correct option

- (●) The density of a gas becomes much greater when it is liquefied
- ( ) Gases exert pressure on the walls of their containers
- ( ) Gases are transparent
- ( ) Heating a gas increases the molecular motion