WORKSHEET NO - 1

Subject- Physics

Date- 21.01.2014

Chapter- Heat, Electric Current and its Effects Class- VII

Q.1 Give one word for the following:

- a. The mode of transfer of heat from one particle to another in solids.
- b. Safety device in an electric circuit.
- c. Filament of a bulb is made up of this metal.
- d. Thermometer ranges from 35 C to 42 C.
- e. Principle on which room heater works.

Q.2 Give reason for the following statements:

- a. MCBs are used in place of fuses in homes and offices nowadays.
- b. CFLs are being encouraged to be used in place of bulbs.
- c. We prefer wearing dark coloured clothes in winters.
- d. Ventilators are made close of the ceiling.
- e. Electromagnets are temporary magnets.

Q.3 Shyam used a fuse wire with a specification of 5 A in a circuit connected to an air conditioner which draws a current of 10 A. What will happen when the air conditioner is switched on? What can be advised him to do?

Q.4 Tick the correct option:

(1) Which colour absorbs minimum radiation?				
a. white	b. Black	c. yellow	d.silver	
(2) The device used to close or open an electric circuit is				
a. Switch	b. resistance	c. ammeter	d. voltmeter	
(3) Who discovered the magnetic effect of current?				
a. Joule	b. Maxwell	c. Oersted	d. Newton	
(4) Room heater works on the principle of				
a. Conduction	b. convection	c. Radiation	d. insulation	
(5)An electric bell makes use of				
a. Bar magnet	b. needle shap	ed magnet	c. electromagnet	d. none of these

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