

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 shaped magnet c. electromagnet d. none of these