

Balika Vidyapith, Lakhisarai

Class 12 Sub. Physics (Unit 2 Revision) Dt 30 07 XX

Answer in one word or sentence –

- 1 Name the device used to compare the emfs of two cells.
- 2 Kirchhoff's 1st law is based on conservation of which physical quantity?
- 3 Which electrical instrument is based on Wheatstone Stone Bridge?
- 4 Name an alloy which is used for making standard resistance coils.
- 5 Name two substances whose resistivity decreases with the rise of temperature.
- 6 Name substances which have negative value of temperature coefficient of resistance.
- 7 Ohm-m is the SI unit of which physical quantity?
- 8 Which wire has lower resistance – thick wire or thin wire?
- 9 A wire of resistivity X is stretched to double its length. What will be its new resistivity?

- 10 Name any one material having a small value of temperature coefficient of resistance.
- 11 Write down the dimensional formula of resistance.
- 12 Name the factors on which resistivity of a material depends.
- 13 Write down the condition of a balanced Wheatstone Stone Bridge.
- 14 At which condition the mixed grouping of cells in an electric circuit provides maximum current?
- 15 Give two characteristics of the wire of an electric heater.
- 16 How many joules are there in 1 kWh?
- 17 Define emf of a cell.
- 18 Write down the relation between emf of a cell and its internal resistance.
- 19 Write any two factors on which the internal resistance of a cell depend.
- 20 How is potential gradient of a potentiometer related with its sensitivity?
