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| 16. | 1. Build a VI to find the sum of first 10 natural numbers using FOR loop and while  Loop.  2. Create a SUBVI for finding the slope between two points.  3. Generate first ten even numbers and display it in 1D array format (Either use FOR or While loop). |

**Viva Questions:**

1) In spring controlled moving iron instruments the scale is

a) uniform

b) cramped at the lower end and expanded at the upper end

c) expanded at the lower end and cramped at the upper end

d) cramped both at the lower and upper ends

2) Which instrument is a transfer instrument?

a) PMMC b) Moving iron

c) Electrodynamometerd) Rectifier

3) The braking torque provided by a permanent magnet in a single phase energy meter is proportional to the

1. Square of the flux of the permanent magnet
2. Speed of the meter
3. Distance of the permanent magnet from the centre of the revolving disc
4. All the above

4) An AC bridge with Z1 =200 30° , Z2 =150 0° , Z3 =250 -40° , in order to balance the bridge the Z4 should be

a) 187.5 -70 b) 187.5 -10

c) 187.5 70 d) 187.5 10

5) A wheatstone bridge cannot be used for precision measurements because errors are introduced into on account of

a) resistance of connecting leads b) thermo electric effect

c) contact resistances d) all of the above