

## 5. candela:

The candela is the luminous intensity, in a given direction, of a source that emits monochromatic radiation of frequency  $540 \times 10^{12}$  hertz and that has a radiant intensity in that direction of  $1/683$  watt per steradian.

## 6. kelvin:

The kelvin, is the fraction  $1/273.16$  of the thermodynamic temperature of the triple point of water.

## 7. mole:

The mole is the amount of substance of a system, which contains as many elementary entities as there are atoms in 0.012 kilogram of carbon - 12.

## 8. radian:

1 radian is the angle subtended at the center of a circle by an arc equal in length to the radius of the circle.

## 9. steradian:

1 steradian is the solid angle subtended at the center of a sphere by that area of the surface of sphere which is equal to that of a square with sides of length equal to the radius of the sphere.

## Derived Units

1. **Newton:** It is force that produces accelerations of  $1 \text{ m/s}^2$  in mass of 1 kg.