

Part-2 1) Solar Constant - The rate at which

energy reaches the earth's surface from the sun, usually taken to be $1,388 \text{ wattle per sqm}$.

2) Hour angle - It is defined as the angle of the sun from the local meridian measured along the celestial equator in the westerly direction.

3) Zenith angle - The angle between the sun & the vertical.

4) Global radiation - It is the total short wave radiation from the sky falling on to a horizontal surface on the ground.