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ANSWER THE FOLLOWING EACH QUESTION CARRIES 1 MARK.

1. Define physical quantities
2. Distinguish between fundamental and derived quantities
3. Define one metre
4. Define one kilogram
5. Define one second
6. Define the SI unit of the following physical quantities
(i) Temperature (ii) Luminous intensity
7. Define one radian
8. Define one Steradian
9. Give the relation between light year and metre
10. Write two advantages in choosing the wavelength of light radiation as a standard of length
11. What is the difference between 5.0 and 5.000?
12. Write the uses of the dimensional analysis
13. Write the dimensional equation for force
14. Write the dimensional representation for torque
15. Give the relationship between calorie and joule
16. Write two advantages in choosing the wavelength of light radiation as a standard of length.
17. What is the difference between 4.0 and 4.0000?