

11th AND 12th STANDARD PCM FOR CBSE BOARD, JEE MAIN, NEET
(UG), CUET AND OTHER ENTRANCE EXAMS

Ch 1: Unit & Measurement + 1 Physics

In SI System: 7 basic units & 2 Supplementary units.

SI unit Symbol

- | | |
|---------------------------------------|-----------------------------------|
| 1. Length meter - m. | 1. Plane angle radian - rad |
| 2. Mass kilogram - kg. | 2. Solid angle: steradian - sr |
| 3. Time sec - s | |
| 4. Electric current Ampere - A | |
| 5. Thermodynamic temp - kelvin - K | |
| 6. Amount of substance - mole - mol. | |
| 7. Luminous intensity = candela - cd. | |

- Order of Magnitude: Radius of earth is 6400 km.
-ie. 6.4×10^6 m
- Taking 6.4 as 10, size of earth is 10^7 m.
∴ Order of magnitude of size of earth is 7.

• Significant figures

- 1: 5678 has 4 significant figures
- 2: 5000 → 4 significant figures
50.00 → 4 significant figures.
- 3: 0.05000 → 4. " "
- 4: 5670 → 3 significant figures → terminal or trailing zeros are not significant.
- 5: 5.670 → 4 significant figures → trailing zeros with a decimal point are significant
- 6: No. of significant figures does not depend on the system. 7 units i.e. 16.4 km, 0.164 m & 0.000164 km have 3 significant figures