

Chp-1 Estimation and units

- **Fill in the blanks :** [05]
 - (1) A° is equal to
 - (2) The unit of time is
 - (3) I a.m.u. is =
 - (4) Physical Quantity = ×
 - (5) Full form of M.K.S. is

- **Answer all the questions in one line.** [06]
 - (1) What is meant by measurement?
 - (2) What is leap year?
 - (3) What is lunar month?
- Q.3** Name the three system of unit and explain their units with examples. [03]

- Q.4** Complete the following : [06]
 - (1) 1 kg = gram.
 - (2) 1 metric tonne = Kg = quintal.
 - (3) 1 nanometer = Mm.
 - (4) 1 fermi = m.
 - (5) 1 A° = nm.
 - (6) 1 Atomic unit = meter.
- Q.5** The distance of a galaxy is 5.6×10^{25} m. Assuming the speed of light to be 3×10^8 ms⁻¹ find the time taken by? [04]
- Q.6** The length, breadth and height of a glass slab are respectively 50 cm, 20 cm and 2.5 cm, find the volume of slab? [03]
- Q.7** The average mass of an atom of Uranium is 3.9×10^{-25} kg. Find the number of atoms in 1 g of Uranium and express it in order of magnitude. [03]

Best of Luck