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PROGRAM: MLT2ND

PAPER: BASIC LAB CALCULIATION

ID NO: 16354

**Q1:** Enlist basic and derived properties of SI System along with their unit and symbols.

 ANSWER:

 \*Basic property / symbol l/unit.

\*MASS / M, m / kilogram.

\*LENGTH / L ,l /meter.

\*TIME/T, t/second.

\*CURRENT / I /AMPER.

\*TEMPERTURE /T/ KELVIN.

\*LUMINOUS INTENSITY /J/ candela .

\*amount of substance / N, n/ mole.

\*Derived Physical Quantity

**Derived Property/ Symbols / Unit**

\*Volume /V/ Cubic meter

\*Area /A/ Seqaur meter

\*Mass Density /D/ Kilogram

\*Pressure /P/ Pascal

\*Mass Rate / / Kilgram persecond

**Q2:** Write Symbol, value, Power of 10 and name of the following SI prefix.

1. Deca ii. Kilo iii. Centi iv. Giga v. Nano vi. Pico

(1) Deca / D/ 101

(2) Kilo / K / 103

(3) Centi / C / 10-2

(4) Giga / G / 109

(5) Nano / N / 10-9

(6) Pico / P / 10-12

**Q3:** Write down Symbols of the following.

\*Beta / **β**

 \*Gamma / γ

\* Pi / π

\* Epsilon / E,ε

\*omega /Ω,ω

 \*Infinity/ϕ