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| **Subject: Basic lab calculation** | Total Marks 30 |
| Mid Term Assignment. |  |
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**I.D:14547**

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

**Q2:** Write Symbol, value, Power of 10 and name of the following SI prefix. i. Deca ii. Kilo iii. Centi iv. Giga v. Nano vi. Pico **Q3:** Write down Symbols of the following.

i. Beta ii. Gamma iii. Pi iv.Epsilon v. omega VI. Infinity

**Q.Enlist basic and derived properties of SI system along with their unit and symbols?**

Ans. SI **derived units** are **units** of measurement **derived** from the seven **base units** specified by the International System of **Units** (SI). They are either dimensionless or can be expressed as a product of one or more of the **base units**, possibly scaled by an appropriate power of exponentiation.

* It should have international acceptance.
* It should be of a convenient size.
* It should be accepted by general conference of the measurement and **units**.
* The **S.I** system is a decimal system with each component a multiple of 10.

**Q.Write symblo,value,power,10and name of the following SI prefix?**

Ans. SI Prefixes and Symbols Used to Denote Powers of 10

**Prefix** Multiple **Symbol**

giga **10**9 G

mega **10**6 M

kilo **10**3 k

hecto **10**2 h

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

Ans. Alpha, 2. Beta, 3. Gamma, 4. Delta, 5. Epsilon, 6.

**A……..Alpha**

**B…….Beta**

**Y……Gamma**

**E……Epsilon**

**(Δ……..Delta.**

**Ω…..omega**

**(π)…..Pi**

# ∞…..infinity