

Vines 148

Write short answers to any Five (5) questions: 10

What are prefixes and give two examples.

ii] Define least count of vernier callipers and write value of ,

least count of vernier callipers in centimetre.

ii Define plasma physics.

What do you know about LIDAR gun?

i] Define uniform acceleration.

example.

iii) Write two methods of reducing friction.

Write short answers to any Five (5) questions: 10

Define stable equilibrium.

What is first condition for equilibrium?

Define clockwise and anti-clockwise

Define density and also give its SI unit.

State Pascal's law.

i} What is meant by elastic unit?

Convert  $100^{\circ}\text{F}$  into the temperature on Celsius scale.

i} Why conduction of heat does not take place in gases?

Why does sea breeze blow during the day?

Write down two uses of insulators.

PART - II

a Attempt any TWO questions.

Q1] Draw speed time-graph for a body moving with constant acceleration.

or

Q2] What is center of gravity? Explain how do you find the

center of gravity of an irregular shaped thin lamina. -

[@)]\_ A block weighing 20 N is lifted 6 m vertically upwe-z

Calculate the potential energy stored in it. :

LEI] Explain linear thermal expansion in solids. :

Tr The density of air is 1.3 kg. Find the mass of air i-

room measuring 8m x 5m \* 4m. ?