

ware eho Beer

a ung a) answers to any FIVE (5) questions: 10 :

We ine least count. What is the least count of a meter rod?

Hi] Define base quantities and derived quantities.

How do the prefixes micro, nano and pico relate to each others?

What is the relation between force and momentum?

What is co-efficient of friction?

[vi] Write two methods of reducing friction.

ivij What is meant by gravitational field strength, write its value on earth? :

[viii | Why it is said that gravitational force is a non-contact force?

Write short answers to any FIVE (5) Parco

| Defi ine graph and ?write its uges.-

i i Wy does the atmospheric pressure vary with height?

i| Define green house effect.

ij] What is meant by convection current?

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

» Describe resolution of force.

Define centre of mass.

Narrate name of states of equilibrium.

Define heat and electrical energy. .

Write two methods by which nuclear energy is release:

i} What is wind energy? Write its uses.

What do-you mean by upper and lower fixed ?a Cc?

thermometer?

[vii Define latent heat of fusion. ?Ne com

an ples. .

he gravitational force between two identical ?<:

spheres kept at 1m apart is 0.006673 N. Find to

masses.

Explain in detail the types of motion.

((s))} |The head of a pin is a square of side 20mm, find «

AWE beinos on it due to a force of 40N.

(0, 74] Define energy and write a note on three forms of en?~

Note: Attem ue .

ate! SA ar Newton's third law of motion \.

[((@)] Find the magnitude and direction of a force, if :

component is 12N and yecomponent is 5N.