

we AS

Define least count, what is the least count of meter rod?

Express 3200000W in kilo and megawatt by using

prefixes.

Write two characteristics of physical quantities.

What is meant by banking of road?

What is braking and skidding?

How can you relate a force with the change in

momentum of a body?

What is the value of radius of earth?

What is a resultant force?

Write answers to any FIVE (5) questions: 4:

any)

(@3] Write short answers to any FIVE (5) ? 10

Define rotatory motion with an example.

Differentiate scalars and any one

its i) SI unit.

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

How does the triangle rule help to find resultant of forces?

ii] What is second condition for equilibrium?

iii] Define centre of gravity.

Why ideal system does not exist in our daily life?

Why are fossil fuels called non-renewable form of energy?

Define kinetic energy and potential energy.

vii] What is clinical thermometer? Write its range.

Convert 50°C on a Celsius scale into Fahrenheit

temperature scale.

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Note: Attempt any TWO re s rN

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Derive a relation b mentum.

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ms?. T moon is 1740 km. Find the mass of

2 TIO 0 . 9

WEIstre Pascal's law and write a note on hydraulic press.

4

A train moves with a uniform velocity of 36 km h" for 10

Ss. Find the distance travelled by it. 5

Define equilibrium. Explain first condition for equilibrium.

4

Calculate the power of a pump which can lift 200 kg of

water through a height of 6 m in 10 sec. 5