

MTH302 Final Term M.C.Q

The ratio of limiting friction to the normal reaction is called the----- of the friction.

Direction

none of these

coefficient

Magnitude

The friction between two bodies is said to be----- friction if one body slides along the other.

Static

Dynamic

Limiting

None of these

The resolved part of the force exerted by a body to another body along the tangent at the point of contact is called the

Force of friction

Centripetal force

Central force

Centrifugal force

If a body can have a smooth contact with every other body then such a body is said to be a ----- body.

Rough

Rigid

None of these

Smooth

The ability of an object to return to its original position after it has been tilted slightly is termed as ----.

Stability

Equilibrium

Turning effect

Centre of gravity

The angle between the resultant reaction and the normal reaction in a limiting friction case is called the angle of and is denoted by λ .

Reaction

None of these

Friction

Normal reaction

The work done by a number of forces acting on a particle is the work done by their resultant.

equal to

none of these

less than

greater than

If a body can have a smooth contact with every other body then such a body is said to be a ----- body

None of these

Smooth

Rigid

Rough

A uniform rod AB of mass m is placed on two supports at C and D. If the rod is on the point of tilting about D then which of the following must be true about the reaction force at D?

None of these

It would be -ve

It would be +ve

It would be zero

The resolved part of the force exerted by a body to another body along the tangent at the point of contact is called the

Centrifugal force

Centripetal force

Central force

Force of friction

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