

English replacement exam for Mechanical engineering .

Full Name: **Group:**

Fill in the gaps with the following: equipment, form, motion, control, build, key, design.(04 pts)

Fundamentally, mechanical engineers are involved with the mechanics of and the transfer of energy from one to another or one place to another. ME's design and machines for industrial and consumer use. They heating, ventilation and air conditioning systems to the climate in homes, offices, and industrial plants, and develop refrigeration systems for the food industry. ME's also..... Heat exchangers, components in high-tech mechanical and electronic computer.....

Name six (06) field applications of ME.(06pts)

01).....

02).....

03).....

04).....

05).....

06).....

With what does ME deal?(02pts)

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What is strain hardening?(02 pts)

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What is a slope?(01pts)

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Give the right name of these tools.(05pts)

01) *A piece of metal with a tapering threaded body and grooved head by which it is turned into something in order to fasten thing together*

02) *A tool with a flat beveled blade it is used for cutting and shaping wood or stones , consisting of a straight flat beveled blade with a shape square cut edge inserted in a handle.....*

03) *A hand-held power tool usually powered by compressed air used for splitting or drilling rocks and breaking up paved areas.....*

04) *The pivot or the support point about which a lever turns.....*

05) *A tapering block or a solid that is thick at one end and thin at the other, it is used to secure or separate tow objects.....*

*GOOD LUCK
AOUCHE.S*

Correction of English replacement exam for Mechanical engineering .

Fill in the gaps with the following: equipment, form, motion, control, build, key, design.(04 pts)

*Fundamentally, mechanical engineers are involved with the mechanics of **motion** and the transfer of energy from one **form** to another or one place to another. ME's design and **build** machines for industrial and consumer use. They **design** heating, ventilation and air conditioning systems to **control** the climate in homes, offices, and industrial plants, and develop refrigeration systems for the food industry. ME's also **design** Heat exchangers, **key** components in high-tech mechanical and electronic computer **equipment***

Name six (06) field applications of ME.(06pts)

01 Applied Mechanics

02) Fluids Engineering

03) Heat Transfer

04) Energy Conversion

05) Nuclear Engineering

06)Applied Mechanics

Internal Combustion Engines

Fuels & Combustion Technologies

Power Engineering

Energy Resources

With what does ME deal?(02pts)

It deals with the relation of externally applied loads and its internal effect on the bodies

What is strain hardening?(02 pts)

When a metal is strained beyond the yield point, more and more stress is required to produce additional plastic deformation and the metal seems to have become stronger and more difficult to deform.

What is a slope?(01pts)

It is the first deviation of a curve at a point.

Give the right name of these tools.(05pts)

01) A piece of metal with a tapering threaded body and grooved head by which it is turned into something in order to fasten thing together *SCREW*

02) A tool with a flat beveled blade it is used for cutting and shaping wood or stones , consisting of a straight flat beveled blade with a shape square cut edge inserted in a handle *CHISEL*

03) A hand-held power tool usually powered by compressed air used for splitting or drilling rocks and breaking up paved areas *JACKHAMMER*

04) The pivot or the support point about which a lever turns *FULCRUM*

05) A tapering block or a solid that is thick at one end and thin at the other, it is used to secure or separate tow objects *WEDGE*