







سری سوال: یک ۱

زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۶۰

تعداد سوالات: تستی: ۲۵ تشریحی: ۵

عنوان درس: زبان تخصصی مکانیک

رشته تحصیلی/گد درس: مهندسی مکانیک گرایش ساخت و تولید، مهندسی مکانیک گرایش حرارت و سیالات، مهندسی مکانیک گرایش مکانیک جامدات ۱۳۱۵۱۰۷

### سوالات تشریحی

26- Translate the following passage into Farsi.

نمره ۱.۴۰

A pump converts mechanical energy into hydraulic energy. the mechanical energy is delivered to the pump via an electric motor. A partial vacuum is created at the pump inlet due to mechanical action. this permits the atmospheric pressure to force the fluid through the inlet line and into the pump. the pump then pushes the fluid into the hydraulic system, therefore generating hydraulic energy. we can classify pumps into two broad groups; positive displacement and nonpositive displacement pumps.

27- Answer or complete these questions:

نمره ۱.۴۰

1. What shape is the cross-section of a cone?
2. What shaped is a ball?
3. A shaped with one curved line and one straight line is called .....
4. A hexagon has ..... sides.

28- Write The Meaning Of These Words In Farsi:

نمره ۱.۴۰

Natural Convection- ellipse- malleable-diameter-vertical-rotation-evaporate-Air humidity

29- From the following list select the appropriate synonym and antonym for each word and fill in the blanks.

نمره ۱.۴۰

insufficient- induction-confusedly- delivery-adequate- moving- suction- sharp- stator- clearly- exposure- shut- soft- open- clear- obscure- blunt- coarse-cover- exhaust

	Synonym	Antonym
Enough		
Inlet		
Intake		
Uncover		
Smooth		
Rotar		
Obviously		
Indistinct		
Obstruct		
Keen		



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30-From the list given below, select the best synonym for the underlined words in each sentences. نمره ۱.۴۰

- 1- occur    2 - supplying    3- generated    4- designed    5- suitable    6- utilizes

- A- Boilers are capable of producing steam at high pressures.  
 B-Newcomen made on efficient engine.  
 C- In the steam engine the governer serves to control the speed of the engine.  
 D- Appropriate technology ,wherever possible, should use locally available resources.  
 E- the hot gases that drive the piston along the cylinder are produced by burning fuel and this can happen inside or outside the cylinder.

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