

<p>A class takes a test and their scores are recorded as follows: 81,82,93,97,76,94,87,68,64, 73. What is the Mean of the test scores?</p> <p><b>Mean: 81.5</b></p> <p><b>(+2 Points)</b></p>	<p>Name the 5 common approaches to Engineering Ethics.</p> <ol style="list-style-type: none"> <li>1. <b>Utilitarian</b></li> <li>2. <b>Rights Based</b></li> <li>3. <b>Fairness</b></li> <li>4. <b>Common Good</b></li> <li>5. <b>Virtue</b></li> </ol> <p><b>3 answers: +1 Point</b>  <b>4 answers: +2 Points</b>  <b>5 answers: +3 Points</b></p>	<p>The NSPE Fundamental Canons state that engineers shall do all of the below EXCEPT:</p> <p>A. Avoid Deceptive Acts  B. Issue public statements only in an objective and truthful manner  <b>C. Meet their employers specifications on their designs</b>  D. Perform services only in areas of their competence.</p> <p><b>(+2 Points)</b></p>
<p>Which type of customer need applies to a sub-population?</p> <p>A. General  <b>B. Niche</b>  C. Latent  D. Direct</p> <p><b>(+1 Point)</b></p>	<p>What is it called when a member of the product development team pretends to be a customer in order to identify customer needs?</p> <p>A. Interview  B. Focus Group  <b>C. Role Play</b>  D. Observation</p> <p><b>(+1 Point)</b></p>	<p>True or False: A patent is defined as a word, phrase, symbol, and/or design that identifies and distinguishes the source of the goods of one party from those of others.</p> <p><b>FALSE</b></p> <p><b>(+2 Points)</b></p>
<p>If you are given a loan of \$100 and it has an annual interest rate of 5%, what is the total amount you owe after 3 years?</p> <p><b>Ans: 115.76</b></p> <p><b>(+3 Points)</b></p>	<p>True or False: A service mark is defined as a word, phrase, symbol, and/or design that identifies and distinguishes the source of a service rather than goods.</p> <p><b>TRUE</b></p> <p><b>(+2 Points)</b></p>	<p>The specification of an invention includes all of the following except:</p> <p>A. Claims  B. Drawings  <b>C. Instructions</b>  D. Description</p> <p><b>(+1 Point)</b></p>

<p>Design patents last for how many years?</p> <p>A. 20 years  B. 21 years  <b>C. 14 years</b>  D. 7 years</p> <p><b>(+2 Points)</b></p>	<p>What are Variable Needs?</p> <p>A. Needs that are fundamental  <b>B. Needs that change over time</b>  C. Needs that are obvious  D. Needs that not obvious</p> <p><b>(+1 Point)</b></p>	<p>In order to receive a patent, an invention must be:</p> <p>A. Usefel  B. Novel  C. Non-Obvious  <b>D. All of the above</b></p> <p><b>(+1 Point)</b></p>
<p>True or False: You need to be a licensed engineer to be a consultant.</p> <p><b>TRUE</b></p> <p><b>(+1 Point)</b></p>	<p>True or False: The mode of a sample is the number that occurs the most.</p> <p><b>TRUE</b></p> <p><b>(+1 Point)</b></p>	<p>What kind of curve does a normally distributed sample follow?</p> <p>A. Wave  B. String  C. Static  <b>D. Bell</b></p> <p><b>(+2 Points)</b></p>
<p>True or False: You need to be a licensed engineer to work for Lockheed Martin or Boeing.</p> <p><b>FALSE</b></p> <p><b>(+1 Point)</b></p>	<p><b>True or False:</b> The World Federation of Engineering Organizations (WFEO) has adopted an environmental engineering ethic. The ethic focuses mainly on sustainability.</p> <p><b>FALSE</b></p> <p><b>(+1 Point)</b></p>	<p>Which of the following is one of the Fundamental Canons of the National Society of Professional Engineers (NSPE)?</p> <p><b>A. Perform services only in areas of their competence.</b>  B. Hold paramount the profit and earnings of your company.  C. Avoid whistleblowing</p> <p><b>(+2 Points)</b></p>

Annual Cash Flow is an economic evaluation in which all costs and benefits are first converted to a uniform series.

**TRUE**

**(+1 Point)**

An object is compared to \_\_\_\_\_ in order to determine if it is novel and nonobvious.

- A. To Kill a Mockingbird
- B. Prior art**
- C. Henry Rowan's designs
- D. CAD Renderings

**(+2 Points)**