



# Karachi Tools, Dies & Moulds Centre

## Sample Entry Test Paper

### Diploma of Associate Engineer in Dies & Moulds Technology

1	<p>Which of the following values is equal to <math>48(92+7)</math>?</p> <p>a) <b>48 x 99</b></p> <p>b) <math>92(48+9)</math></p> <p>c) <math>92 \times 48 + 92 \times 7</math></p> <p>d) <math>1,972 + 306</math></p>
2	<p>What is the formula for area of triangle?</p> <p>a) Base x Altitude</p> <p>b) <math>2 \times \text{Base} \times \text{Altitude}</math></p> <p>c) <b><math>1/2 \times \text{Base} \times \text{Altitude}</math></b></p> <p>d) Base / Altitude</p>
3	<p>If two set have no element common, they are called</p> <p>e) <b>Disjoint sets</b></p> <p>f) Overlapping sets</p> <p>g) Complementary sets</p> <p>h) Equivalent sets</p>
4	<p>A change of <math>20^\circ\text{C}</math> is equal to a change of</p> <p>a) 293 K</p> <p>b) 0 K</p> <p>c) <b>20 K</b></p> <p>d) 273 K</p>
5	<p>Which of the following mode of heat conduction does not require a medium</p> <p>a) Convection</p> <p>b) <b>Radiation</b></p> <p>c) Conduction</p> <p>d) All of above</p>



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6	<p>The energy of body produced due to its motion is called</p> <ul style="list-style-type: none"><li>a) <b>Kinetic Energy</b></li><li>b) Chemical Energy</li><li>c) Potential Energy</li><li>d) None of the above</li></ul>
7	<p>Doberienner arranged elements in a set three. Atomic mass of the middle element was equal to the _____ of the first and third element</p> <ul style="list-style-type: none"><li>a) Sum</li><li>b) Product</li><li>c) <b>Average</b></li><li>d) Difference</li></ul>
8	<p>The atomic number of oxygen is</p> <ul style="list-style-type: none"><li>a) <b>8</b></li><li>b) 16</li><li>c) 10</li><li>d) 12</li></ul>
9	<p>You do not waste your time. (Affirmative)</p> <ul style="list-style-type: none"><li>a) You wasted your time.</li><li>b) <b>You waste your time.</b></li><li>c) You are wasting your time.</li><li>d) You do waste your time.</li></ul>
10	<p>The peon rang the bell. (Past perfect continuous)</p> <ul style="list-style-type: none"><li>a) <b>The peon had been ringing the bell.</b></li><li>b) The peon have been ringing the bell</li><li>c) The peon was ringing the bell.</li><li>d) The peon is ringing the bell.</li></ul>