1. Dimension of pressure is

   A. MLT
   B. ML-1T-1
   C. ML-1T-2
   D. ML-2T-2

   Answer: Option C

2. Temperature is a property which determines

   A. How much heat a body contains
   B. Whether a body will feel hot or cold to touch
   C. In which direction heat will flow between two systems
   D. How much total absolute energy a body has

   Answer: Option C

3. We prefer mercury as a thermometric substance because

   A. Over a wide range of temperature its expansion is uniform
   B. It does not stick to thermometer glass
   C. It opaque to light
   D. All of above

   Answer: Option D

4. The scales of temperature are based on two fixed points which are

   A. The temperatures of water at 0? 100?C
   B. The temperature of melting ice and boiling water at atmospheric pressure
   C. The temperatures of ice cold and boiling water
   D. The temperatures of frozen and boiling mercury

   Answer: Option B

5. Numerical value of Boltzmanns constant is

   A. 1.38x10-31JK-1
   B. 3.18x10-31JK-1
   C. 3.18x10-23JK-1
   D. 1.38x10-23JK-1

Answer: Option **D**

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6. In a clinical thermometer the mercury in the capillary tube does not contract once removed from the patient because

   A. Mercury takes a long time to contract

   B. The amount of mercury use is very small

   C. The capillary tube has a small constriction near the bulb

   D. The capillary tube is very narrow

   Answer: Option **C**

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7. Normal human body temperature 98.6?F corresponds to

   A. 37?C

   B. 42?C

   C. 55?C

   D. 410?C

   Answer: Option **A**

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8. The Fahrenheit and centigrade scales agree to

   A. 40

   B. 15.5

   C. 542

   D. 273

   Answer: Option **A**

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9. The size of one degree of Celsius is equal to

   A. One degree of Fahrenheit scale

   B. 1.8 degrees of Fahrenheit scale

   C. 3.2 degrees of Fahrenheit scale

   D. 2.12 degrees of Fahrenheit scale

   Answer: Option **B**

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10. At constant temperature the graph between V and 1/P is

   A. Hyperbola

   B. Parabola

   C. A curve of any shape

   D. A straight lime

Answer: Option **D**