

**TEST FOR**  
**MECHATRONICS ENGINEERS**

**Choose the correct answer.**

**1. When water at atmospheric pressure is heated from 40°C to 90°C , the heat absorbed is**

- a) Specific heat
- b) Latent heat
- c) Sensible heat
- d) Thermal heat
- e) All of above

**Correct Answer: c**

**2. A gas expands in a closed system, the maximum work will be done during ----- process.**

- a) Adiabatic
- b) Isothermal
- c) Isochoric
- d) Isobaric
- e) Can not be determined with out P & T conditions

**Correct Answer: d**

**3. The chezy's equation is used to measure**

- a) Friction Losses
- b) Head Losses
- c) Bend Losses
- d) Velocity of flow
- e) Discharge through pipe

**Correct Answer: d**

**4. Friction Forces are always ----- to the contact surfaces**

- a) Parallel
- b) At Friction angle  $\Phi$
- c) At angle  $\alpha$
- d) Normal
- e) Tangential

**Correct Answer: c**

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