

**TEST FOR**  
**MECHANICAL ENGINEERS**

**Choose the correct answer.**

**1) Maximum work by an expansion of a gas in a closed system is possible when process takes place at constant**

- (a) pressure
- (b) temperature
- (c) volume
- (d) enthalpy
- (e) entropy

**Correct Answer: a**

**2) The value of entropy is taken as**

- (a) 1
- (b) zero
- (c) -1
- (d) some other value
- (e) any value

**Correct Answer: b**

**3) The following cycle is used for air craft refrigeration**

- (a) Bray ton cycle
- (b) Joule cycle
- (c) Carnot cycle
- (d) Bell-Coleman cycle
- (e) Reversed –Bray ton cycle

**Correct Answer: e**

**4) Engine pistons are usually made of aluminum alloy because it**

- (a) is lighter
- (b) wears less
- (c) absorb shocks
- (d) is stronger
- (e) Does not react with fuel and lube oil.

**Correct Answer: a**

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