

Fundamentals of HVAC/R, 4e (Stanfield/Skaves)

Unit 1 Introduction to Heating, Ventilation, Air Conditioning, and Refrigeration

1) The first air-conditioning system was patented in 1844 by:

- A) Willis Carrier.
- B) Thomas Edison.
- C) Benjamin Franklin.
- D) John Gorrie.

Answer: D

Page Ref: 3

LO: 1.1

2) Producing ice began over 3,000 years ago using the:

- A) Mechanical vaporization method.
- B) Water evaporation method.
- C) Distillation method.
- D) Pressure-temperature method.

Answer: B

Page Ref: 4

LO: 1.1

3) Residential central heating and cooling systems became popular in:

- A) The late 1950s.
- B) The mid 1970s.
- C) The late 1960s.
- D) The late 1970s.

Answer: C

Page Ref: 3

LO: 1.1

4) Why is the capacity of air conditioning units stated in tons?

- A) Because early cooling used tons of ice.
- B) Because the unit capacity is directly related to its weight.
- C) Ton is an acronym for "total output nominal" rating.
- D) Air conditioners are not rated in tons.

Answer: A

Page Ref: 3

LO: 1.1

5) Who is often cited for the development of modern air conditioning?

- A) John Gorrie
- B) Dave Lennox
- C) David Skaves
- D) Willis Carrier

Answer: D

Page Ref: 3

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Fundamentals Of Hvacr Answers

Thomas F. Horan



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