

# Maritime Technology History and Engineering

Maritime Technology · Answer Key · 18 Questions

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**1. In what year did the SS Savannah become the first steam-powered vessel to cross the Atlantic Ocean?**

- A) 1819**
- B) 1838
- C) 1850
- D) 1862

**2. Which English clockmaker invented the H4 marine chronometer, solving the longitude problem in 1761?**

- A) Thomas Mudge
- B) John Harrison**
- C) George Graham
- D) Thomas Tompion

**3. The first practical submarine, the Holland I, was commissioned by the U.S. Navy in which year?**

- A) 1895
- B) 1900**
- C) 1905
- D) 1912

**4. What is the maximum number of blades typically found on a standard modern cargo ship's controllable-pitch propeller?**

- A) 2
- B) 4
- C) 7**
- D) 12

**5. The Suez Canal, a critical maritime technology achievement, was officially opened to navigation in what year?**

- A) 1859
- B) 1869**
- C) 1879
- D) 1889

**6. The 'Nautilus', the world's first nuclear-powered submarine, was launched by the United States in what year?**

A) 1948

**B) 1954**

C) 1960

D) 1965

**7. Radar, an essential maritime navigation technology, was first patented by which German inventor in 1904?**

**A) Christian Hülsmeyer**

B) Heinrich Hertz

C) Albert Einstein

D) Max Planck

**8. The 'Great Eastern', the largest ship in the world at its 1858 launch, was designed by which engineer?**

**A) Isambard Kingdom Brunel**

B) Robert Fulton

C) John Scott Russell

D) William Froude

**9. In maritime navigation, the International Maritime Organization (IMO) established the Global Maritime Distress and Safety System (GMDSS) in what year?**

A) 1980

B) 1988

C) 1992

**D) 1999**

**10. What is the approximate speed in knots at which most modern container ships cruise to optimize fuel efficiency?**

A) 5-10 knots

**B) 15-25 knots**

C) 30-40 knots

D) 45-55 knots

**11. The first successful test of a radio-based direction finder for maritime use occurred in which decade?**

A) 1880s

**B) 1900s**

C) 1920s

D) 1940s

**12. How many nautical miles is one degree of latitude approximately equal to?**

- A) 30
- B) 60**
- C) 90
- D) 120

**13. The 'Liberty Ship' program produced how many standardized merchant vessels during World War II?**

- A) 1,500
- B) 2,710**
- C) 3,500
- D) 4,200

**14. What is the name of the specific maritime technology used to reduce a ship's rolling motion in rough seas?**

- A) Stabilizer fins**
- B) Ballast keels
- C) Bulkhead dampeners
- D) Pitch control gears

**15. The RMS Titanic, featuring advanced (for the time) watertight bulkhead technology, was launched in what year?**

- A) 1908
- B) 1910
- C) 1911**
- D) 1912

**16. In maritime radar terminology, what does the acronym ARPA stand for?**

- A) Automatic Radar Plotting Aid**
- B) Advanced Radio Positioning Apparatus
- C) Automated Route Planning Array
- D) Acoustic Range Processing Assembly

**17. The 'Trieste', a bathyscaphe, reached the bottom of the Challenger Deep in which year?**

- A) 1955
- B) 1960**
- C) 1965
- D) 1970

**18. What percentage of the world's trade is carried by sea according to the International Chamber of Shipping?**

- A) 50%
- B) 70%
- C) 90%**
- D) 95%