Milestones in Maritime Technology

Maritime Technology · Practice Test · 12 Questions

1. Which 18th-century invention by John Harrison solved the problem of determining longitude at sea?

A) The Sextant
B) The Marine Chronometer
C) The Mercator Projection
D) The Astrolabe

2. What was the first steamship to cross the Atlantic Ocean in 1819, utilizing both sails and steam power?

A) SS Savannah
B) SS Great Western
C) SS Sirius
D) SS Great Britain

3. In 1906, which battleship revolutionized naval warfare by introducing an all-big-gun armament scheme?

A) HMS Dreadnought
B) USS Monitor
C) SMS Nassau
D) Yamato

4. Which invention, popularized in the 1730s by John Hadley, replaced the backstaff for measuring the altitude of celestial bodies?

A) The Compass
B) The Octant
C) The Log line
D) The Lead line

5. What type of engine was first successfully fitted to a commercial vessel in 1903, the Vandal, marking a shift away from steam?

A) Gas turbine
B) Nuclear reactor
C) Diesel engine
D) Stirling engine

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6. The 'Great Eastern', designed by Isambard Kingdom Brunel and launched in 1858, was the first ship to feature which technology?

A) Double-hulled construction
B) Nuclear propulsion
C) Hydrofoil wings
D) Submarine torpedo tubes

7. Which deep-sea submersible reached the bottom of the Mariana Trench in 1960, the first crewed vessel to do so?

A) Alvin
B) Trieste
C) DSV Limiting Factor
D) Nautile

8. What communication device, first installed on the SS St. Paul in 1899, revolutionized maritime safety by enabling ship-to-shore contact?

A) Radar
B) Sonar
C) Wireless telegraphy
D) Satellite phone

9. The invention of the 'screw propeller' by John Ericsson and Francis Pettit Smith in the 1830s replaced which primary form of ship propulsion?

A) Paddle wheels
B) Oars
C) Wind-powered kites
D) Stern-wheelers

10. What maritime navigation system, developed by the U.S. Navy in the 1960s, was the precursor to modern GPS?

A) LORAN
B) Transit
C) DECCA
D) Omega

11. Which 19th-century invention allowed divers to remain underwater for extended periods by pumping air from the surface via a tube?

A) SCUBA gear
B) Diving bell
C) Standard diving dress (heavy gear)
D) Rebreather

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12. What was the primary function of the 'plimsoll line', introduced by Samuel Plimsoll in 1876?

A) Indicating a ship's maximum safe loading depth
B) Measuring water salinity
C) Detecting hull breaches
D) Calculating speed through water

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