

Maritime Technology Fundamentals

Maritime Technology · Answer Key · 4 Questions

1. What advanced navigation system uses satellites to provide precise positioning information to vessels globally?

- A) RADAR (Radio Detection and Ranging)
- B) SONAR (Sound Navigation and Ranging)
- C) GPS (Global Positioning System)**
- D) LORAN (Long Range Navigation)

2. Which type of marine propulsion system converts chemical energy from fuel into mechanical energy to drive a propeller?

- A) Sail propulsion
- B) Electric propulsion
- C) Internal combustion engine**
- D) Jet propulsion

3. What is a primary advantage of using composite materials like fiberglass for boat hulls compared to traditional steel or wood?

- A) Higher density and weight
- B) Requires constant repainting
- C) Excellent corrosion resistance**
- D) Greater susceptibility to fatigue

4. The Global Maritime Distress and Safety System (GMDSS) primarily relies on which type of technology for emergency communication?

- A) Underwater acoustic signals
- B) Terrestrial telephone lines
- C) Satellite and terrestrial radio systems**
- D) Optical semaphore signals