



# NDDC

**SCHOLARSHIP PAST QUESTIONS PACK**



# MARINE ENGINEERING

**COMPLETE PREPARATION RESOURCE**

**PAST QUESTION +  
ANSWERS + GUIDE**

**MSc. & Phd**

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1. What is the primary function of a marine engineer on a ship?

- A) Navigation
- B) Mechanical maintenance
- C) Cooking
- D) Radio communication

**Answer: B)** Mechanical maintenance

2. Which type of engine is commonly used for propulsion in most modern ships?

- A) Steam engine
- B) Diesel engine
- C) Gas turbine engine
- D) Electric motor

**Answer: B)** Diesel engine

3. What is the purpose of the engine room on a ship?

- A) To control navigation
- B) To store cargo
- C) To house the ship's propulsion system
- D) To provide accommodations for the crew

**Answer: C)** To house the ship's propulsion system

4. What is the term for the process of removing water from a ship's hull to prevent flooding?

A) Desalination

B) Dehydration

C) Dewatering

D) Dehumidification

**Answer: C)** Dewatering

5. In marine engineering, what is a "bilge"?

A) A type of anchor

B) The bottom of the ship's hull

C) A compartment for storing cargo

D) A safety device for lifeboats

**Answer: B)** The bottom of the ship's hull

6. Which of the following is a common fuel used in marine diesel engines?

A) Petrol (Gasoline)

B) Propane

C) Heavy fuel oil

D) Natural gas

**Answer: C)** Heavy fuel oil

7. What does the term "ballast" refer to in marine engineering?

- A) A type of propulsion system
- B) The cargo carried by a ship
- C) Weight added to a ship for stability
- D) The ship's communication equipment

**Answer: C)** Weight added to a ship for stability

8. What is the function of a ship's propeller?

- A) To generate electricity
- B) To steer the ship
- C) To provide buoyancy
- D) To propel the ship forward or backward

**Answer: D)** To propel the ship forward or backward

9. Which component of a ship's engine is responsible for converting fuel into mechanical energy?

- A) Piston
- B) Crankshaft
- C) Turbocharger
- D) Cylinder head

**Answer: A)** Piston

10. What is the purpose of a ship's rudder?

- A) To control the ship's speed
- B) To stabilize the ship in rough seas
- C) To steer the ship's direction
- D) To generate electricity

**Answer: C)** To steer the ship's direction

11. Which marine engineering system is responsible for supplying fresh water to a ship's crew?

- A) Hydraulics system
- B) Desalination system
- C) HVAC system
- D) Sanitary system

**Answer: B)** Desalination system

12. What does the term "draft" refer to in the context of ship design?

- A) The ship's position on a map
- B) The ship's length
- C) The depth of the ship's hull in the water
- D) The ship's cargo capacity

**Answer: C)** The depth of the ship's hull in the water

13. In marine engineering, what is the purpose of a "bulkhead"?

- A) To store bulk cargo
- B) To separate compartments within the ship
- C) To provide insulation
- D) To house the ship's navigation equipment

**Answer: B)** To separate compartments within the ship

14. What is the term for a large vertical rotating structure that supports a ship's propeller?

- A) Rudder
- B) Mast
- C) Bow thruster
- D) Shaft

**Answer: D)** Shaft

15. Which term describes the process of lifting a ship out of the water for maintenance or repairs?

- A) Dry docking
- B) Wet docking
- C) Slipway
- D) Launching