

**MERCHANT MARINE ACADEMY OF MACEDONIA
SCHOOL OF ENGINEERS**

Course: Maritime English

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Name:

Student number:

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FINAL TEST (Retakes)

1. Match the following parts of a diesel engine with their functions. (10 p.)

exhaust, piston, push rod, bedplate, crosshead, piston rod, water jacket, gudgeon pin, cylinder head, crankcase

-- It connects the piston rod to the connecting rod: _____

-- It compresses the air: _____

-- The crankshaft rotates in it: _____

-- The gases go out through this valve: _____ valve

--The camshaft opens the valves with the help of this rod:

-- It connects the piston to the connecting rod: _____










-- All the valves are fitted in it: _____

-- It supports the whole engine: _____

-- It cools the cylinder externally: _____

-- It reciprocates in the stuffing box: _____

2. Name the following tools. (10 p.)

 Bench G.....	 P.....	 D..... machine	 Single German S.....	 A..... key
 B..... and N.....	 H.....	 V.....	 M.....	

3. Underline the correct choice. (10 p.)

1. In the 2-stroke diesel engine one cycle of operation is completed in **(one, two)** revolutions of the crankshaft.
2. The camshaft is connected to the rocker arm with the **(push rod, piston rod, connecting rod)**.
3. We use a **(screwdriver, spanner, hammer)** to tighten or loosen a nut.
4. A pair of **(pliers, calipers, dividers)** is used to measure thicknesses.
5. We smoothen and shape a surface with a **(scraper, reamer, file)**.
6. Diesel engines are **(spark-ignited, compression-ignited)** engines.
7. For hexagonal screws we use a(n) **(Allen key, open-ended spanner, ratchet wrench)**.
8. With a **(screw-pitch gauge, feeler, reamer)** we measure very small distances.
9. In order to hold an object firmly in its place while work is done, we use a **(grinder, fitter's vice, lathe)**.
10. In order to cut internal threads we use **(cutters, taps, snips)**.

4. Match the types of ships with their definitions:

Ferries, LNG, Bulk carriers, Drill ships, Ro - Ro, General cargo ship, Tugs, Icebreakers, Lightships, Dredger, Pilot boats, Reefers, Containers, Tankers, Cruiser (15 p.)

- They dig the bottom of the sea.
- They carry cargo in special "boxes".
- They serve as a beacon for navigation.
- They carry loose cargo like grain.
- They offer luxury and comfort to holiday makers.
- Ships with huge stern doors, mainly for vehicles and trucks.
- They carry cargo too large to be in a container or in break bulk form.
- They carry liquid cargo in tanks.
- They carry "loose" cargo such as grain, coal and iron ore.
- They carry cars and passengers.
- These vessels carry extremely dangerous cargo, explosive gas at freezing temperatures.
- These vessels help other ships enter a port safely.
- They are used in cold places, where there is ice.
- Ships for refrigerated cargo.
- They have more power than a medium sized vessel and can manoeuvre in any direction.

5. Find which of the following crew members are responsible for the following duties: (10 points)

**Master, fitter, oiler, chiefengineer, chief officer, wiper,
bosun, 2nd engineer, 2nd officer, apprentice engineer**











1. Is traditionally the ship's navigational officer: _____
2. Keeps the engine room crew overtime: _____
3. Supervises the O/S and the A/B: _____
4. Lubricates and greases parts of the machinery: _____
5. Cuts and welds pipes: _____
6. Cleans the engine room: _____
7. Learns about bunkering: _____
8. Is the representative of the company and responsible for the safety of the crew and the ship: _____
9. Is the head of the deck department: _____
10. Is responsible for all machinery on board: _____

6. Fill in the gaps with the appropriate word from the list below. (15 p.)

funnel, rudder, poop, cranes, port side, bulkheads, forecastle, hatches, holds, superstructure, messroom, galley, starboard side, laundry, bridge

- The right part of the ship: _____
- The left part of the ship: _____
- The place where you can eat: _____
- The place where food is cooked: _____
- You can wash your clothes there: _____
- The anchor windlass is kept on the: _____
- They separate the holds from each other: _____
- They are used to lift the cargo: _____
- Cargo is stored there: _____
- A raised deck aft: _____ deck
- The openings on the deck that provide access to the holds: _____
- The exhaust gases from the engine room go out into the air from there: _____
- Tool for changing course: _____
- All navigational activities take place in it: _____
- The raised "house" containing the bridge and the accommodation: _____

7. Name the following Life Saving Equipment. (15 p.)

				
L.....	Radio t.....	E..... ladder	L..... with line	Eye wash S.....
				
breathing a.....	survival craft d..... signal	m..... station	fire e.....	S.....

8. Name the parts in the following diagram of a 2-stroke diesel engine. (15 points)

